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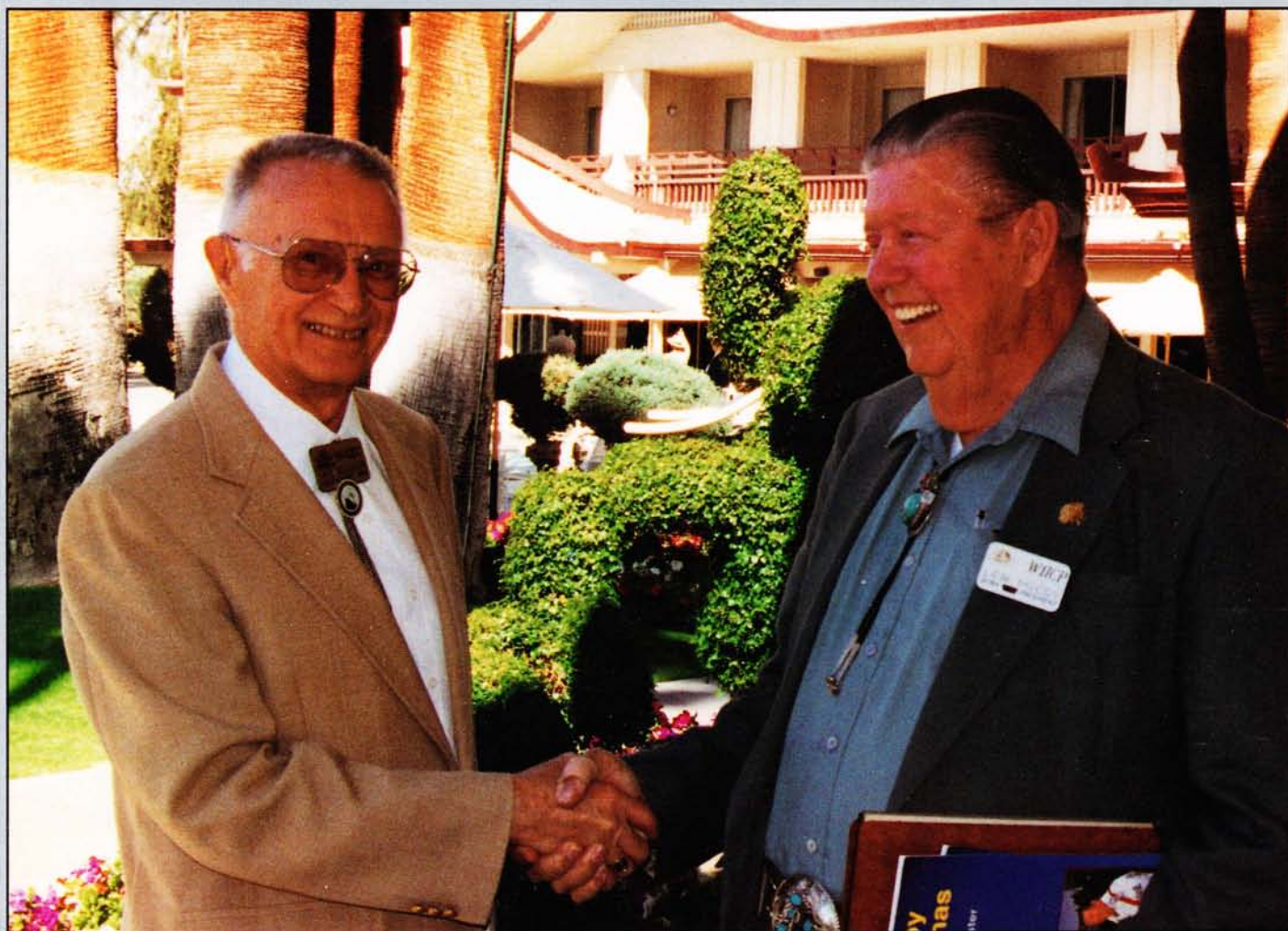
QCWA JOURNAL

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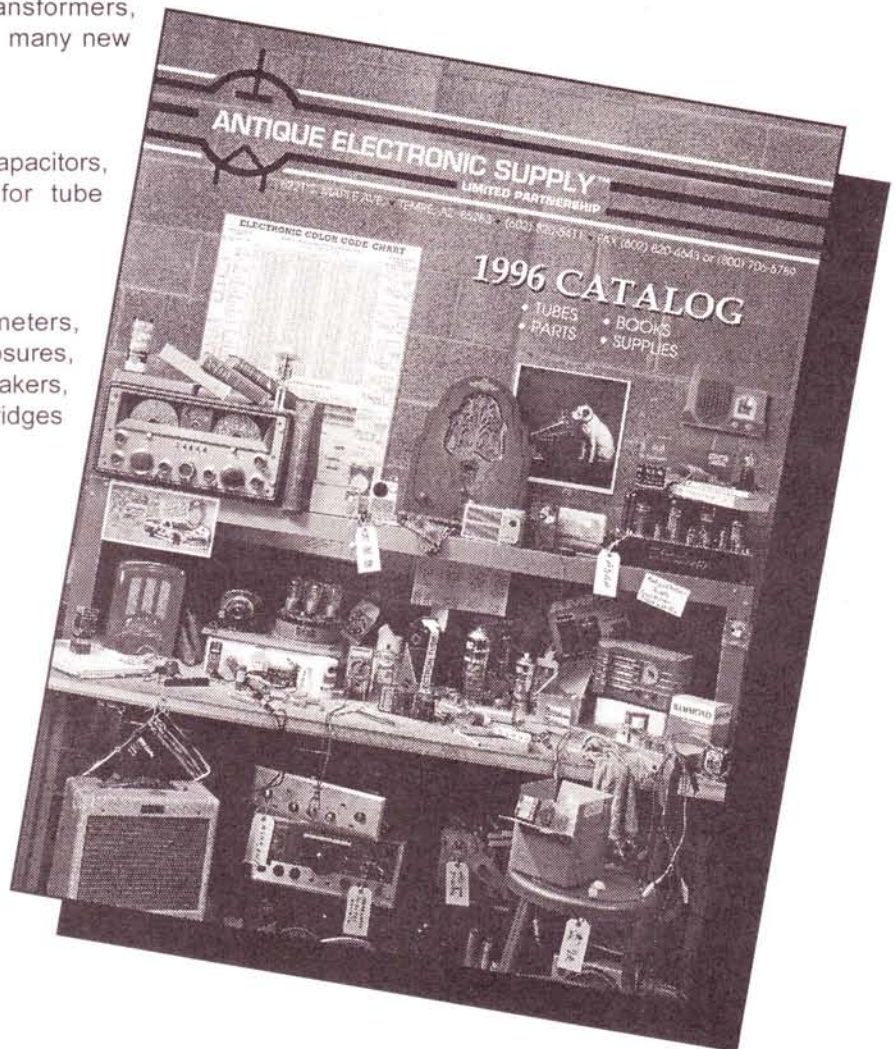


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Summer - 1996

QCWA JOURNAL

Volume XLV, Number 2

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From the Editor:

In this issue - on page 3 - President Lew McCoy, W1ICP and President-elect Jack Kelleher, W4ZC describe what they see as a threat to amateur radio and solicit comments from QCWA members. The threat they see is the removal of the CW requirement on the HF bands. They say that if the CW requirement is lifted it won't be long until we lose the CW segments on the hambands. I think there are other ramifications too.

According to the latest information it looks very much like ARRL is in favor of this change and that QCWA will be taking the opposite position. Although many QCWA members are also members of ARRL my feeling is that most are not in favor of eliminating the CW requirements on the HF bands and on this issue will not be supporting ARRL.

We should all be very pleased that QCWA is taking a stand on this issue. It's in the best interest of amateur radio.

Make sure your voice is heard on this issue, please send your comments in to Headquarters. N6CSW

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Cover: President Elect, Jack Kelleher, W4ZC with outgoing President, Lew McCoy, W1ICP. Photo by W7LVN

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Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA	1972 - 1973
Frank A. Gunther, W2ALS	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994

Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

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The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare. QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986. Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership. In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed. Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax/BBS, 541-683-4181.

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President's Message

Lew McCoy, WIICP

Your Board of Directors met in San Antonio in April for the annual spring board meeting. We had a very good meeting and many important points were discussed. One item that was decided was that the annual QSO parties would be combined for 1997, our 50th anniversary. You will see new rules for this event because in this party/contest, QCWA is inviting any amateur in the world to participate. We expect a very large turnout because this means non-members can take part. Details for the rules will be upcoming soon. Elsewhere in this issue you will find the minutes of our board meeting.

You'll also find a notice printed at the end of this message that regards the removal of code licensing requirements. Amateur radio is heading for considerable turmoil and we wish to establish our position as early as possible. All of you, I am sure, have heard that Morse code has been dropped from most of the military and maritime services and there has been a move afoot to drop it from amateur radio. This action will certainly come up at the international conference in 1999. Some of us feel that dropping the code requirement or knowledge will certainly lead to the eventual dropping or severe shortening of the CW band segments and we would dislike such action very much. I like to point out that with our 10,000 members plus, we have a minimum collective experience of 250,000 years! That, by any standard, is one heckuva lot of experience.

Most of our members are also ARRL members and we like to support the League in their decisions. But there may come a point where QCWA will have to stand firm on what we believe is right. We have listened to some of the speeches made by some League officials and what they are saying is making some of us very nervous. Recently, at a large QCWA chapter meeting at the Marconi (Chapter 138) in New Jersey, a high ranking League of-

ficer addressed the group, primarily about the elimination of code at the 1999 conference. A vote was requested of the audience of those in favor of dropping the code. Not a single person voted in favor of dropping the code!!

If necessary, we will poll all of our members and hopefully, so will ARRL. Neither organization "represents" all of the American amateurs, we represent a very small percentage, but again, we have experience on our side. ARRL represents probably only one fifth of the American hams. Don't misunderstand what I am saying—I spent 32 years working at ARRL Headquarters, I am a life member and I strongly support nearly all of ARRL functions. Just let us hope they take the correct actions.

The election for your Board of Directors is coming up and you will be receiving ballots very soon. Please get out your last Journal and carefully study the list of candidates and then vote accordingly. We have fine candidates for this election and for myself, I am very pleased with the nominations made by your nominating committee.

I am not sure if this is my last message to you as your president—I may be able to write something in the fall issue. Jack Kelleher will be taking over on September 1st. I wish to thank the QCWA members for their support and also the officers and the Board of Directors. I know I am responsible for many changes in our operation and management and I think they were all for the good of the organization. QCWA has a very bright future and I am sure that the membership wants us to have a strong say in the future of amateur radio. WIICP



Notice To All QCWA Members

As many of you have read or heard, we are approaching a crisis in amateur radio that will require action or a stand on the part of QCWA. This crisis is a decision on our collective position on NO-CODE HF licensing. The ARRL has formed a committee to study their position for the WRC 1999 convention. This committee will study and make changes in our licensing rules. Some of the information leaking out of this committee is disturbing. Some countries have already expressed desires to eliminate the Morse code requirements as part of amateur radio requirements to hold a license for HF operation. One high ranking League official has stated on several occasions that the majority of ARRL members desire to eliminate the code requirements. The majority of the QCWA Board of Directors do not agree with this premiss.

In conversations with QCWA directors and officers, I find that they are almost 100 percent opposed to the elimination of the code requirement. There is no doubt that there has been an elimination of the code from many services, such as our military and maritime services. But amateur radio is not part of the military or maritime service. We are our own service. The very history of amateur radio is directly related to the Morse code. And while a few amateurs have wanted the elimination of code, there has been no serious change in the American attitude for requiring code as part of our examinations.

We, the Board of Directors, need your input. QCWA cannot sit idly by and let amateur radio fall apart. There are several avenues open to us. Let us assume some scenarios that might help. Then we need to state our position to the FCC and do it repeatedly until the WRC 1999 affair.

At this point in time it is probably completely fruitless to attempt to keep a status quo. We don't think the FCC will take any action on code requirements until after 1999. But it is not time to sit back and wait. Let us have your feelings so we can set a policy—are you in favor of no code for HF, below 30 Mhz? Keep in mind one very simple fact or point, if we do away with code requirements can the loss of the cw band segments be far behind?

In any event, it is time for you members to sit down and give us your thoughts about this problem so we can act accordingly. We cannot just ignore the problem—we have countless years of experience—let us use this experience. And, from studying the public statments by some of the League high officials, we cannot trust them in their actions on this point. We know that your QCWA Board of Directors have strong feelings on this subject. Do you want to see the code eliminated? Please send your comments to Headquarters at Eugene, Oregon by October 1st. It only takes a stamp to let us know.

Lew McCoy, President, QCWA, Jack Kelleher, W4ZC, President Elect.

General Manager's Report

Jim Walsh, W7LVN

How time has gone by, it is amazing to me. Just the other day it was the first of the year, and now we are already approaching the half way point in this year. Now that Dayton has been changed from April to May, this is a good marker for the half year point. By the way I will look for a lot of you to be at Dayton this year.

Our Board of Directors was saddened by the death of Milt Chaffee, W1EFW, a member of the Board for a number of years. His obituary appears elsewhere in this issue. We were also disappointed by the resignation of Ed Yoder, W3YMB, and regretfully accepted that letter at the Spring Board meeting.

The Board had to accept Ed's resignation and then provide for a candidate for Vice President. The candidate selected was Gary Harrison, WAØRWS, and his name will appear on the ballot.

The ballot is now being delivered to the mailing service and will be out by the 15th of May. Please, vote your choices for this new Board of Directors. I am excited by some of the candidates and the new 'blood' on the Board is going to make for some more progress for QCWA. The balloting will close by July 31, at midnight. The new members of the Board will take office on September 1, 1996 and be installed at the annual meeting in Ottawa on October 4th, 1996.

By the way, have you made your reservations for the annual meeting in Ottawa? It promises to be a good affair and

their group has been working hard on the programs for this event. Incidentally, the exchange is rate is quite favorable, check the application in this issue of the Journal.

The Spring Board meeting in San Antonio was very enjoyable, a lot of details were completed and some new program items were introduced and will be finalized by the end of this year.

We also had the opportunity to meet with Chapter #38 at an impromptu luncheon. It was a good experience, even if some of our people got lost trying to reach the restaurant. My thanks to Ray Wangler, W5EDZ, and all of his chapter members.

At this moment we have three potential new Chapters in the planning stage. I expect all of these to be completed and functioning very shortly. Also, we now have over \$148,000 in the scholarship fund and by the end of the year it should be over \$150,000. Thank you to all who have contributed, it performs a great service to honor the SK's of QCWA. W7LVN



Something got lost in the process of mailing hither and yon, and so we are including it in this issue. One of our events that we are extremely proud of is the awarding of the 75-Year Certificates to our members. This is a remarkable achievement. What is even better, most of all these people are still very active amateurs keeping on the air schedules. Pictured here is Harry Dannels, W2HD, presenting the 75-Year Plaque to William Kennedy, W2AS.

QCWA Board Of Directors Meeting, April 12, 1996

San Antonio, Texas

John Swafford, W4HU, Secretary

The Meeting was called to order by President Lewis McCoy, W1ICP at 8:00 AM on Apr. 12, 1996 at the Courtyard Marriot Hotel. Pres. McCoy announced that Milt Chaffee had passed away April 8th and Ed Yoder had resigned March 23rd.

Introduction of Guests

President McCoy introduced invited guests (nominees for the Board). They were: Robert Buus, W2OD; Bill McGrannahan, KØORB; Richard A. Stalls, K4KYO; J. Frederick Strom, K9BSL; and H.C. Knief, W2YTO.

Regular Board Members

President, Lew McCoy, W1ICP; VPresident, Jack Kelleher, W4ZC; Treasurer, Wes Randles, W4COW; Secretary, John Swafford, W4HU. Directors: John Huntoon, W1RW; Gladys Chase, W1VPF; Croft Taylor, VE3CT; Walt Brink, W3WPY; John Troster, W6ISQ; John Edel, K8LBZ; Millie Wise, W5OVH and Gary Harrison, WAØRWS. Also in attendance were: President Emeritus Leland Smith, W5KL and General Manager Jim Walsh, W7LVN.

Committee of the Whole

VPres Kelleher made a motion to go into a committee of the whole. Pres. McCoy and Treas. Randles along with the guests left the room. The Committee discussed the separation of the F & A Committee and the nomination of Lew McCoy as Chairman of the Finance Committee upon completion of his present duties. The proposal was made and accepted. The proposal made at Manchester that Wes Randles would assume the position as QCWA Historian upon completion of his present duties, was affirmed.

2nd Committee of the Whole

Upon return of McCoy and Randles a second committee of the whole was called, chaired by Pres. McCoy with Director Gary Harrison absent. President McCoy briefed the committee on the resignation of Director Yoder, who was the nominee for Vice President, and the consequent need for Board approval of another candidate for Vice President. After brief discussion it was moved, seconded and unanimously approved that Gary Harrison be the replacement candidate for Vice President. The 2nd committee of the whole then adjourned.

Report by the General Manager

GM Jim Walsh reported on his activities, including Mailing; Data Base; Members; Internet; Phone numbers and Chapters. He advises that postal regulations are getting tighter but that he is able to maintain the maximum discounts for not only QCWA Journal mailing, but for the Hot Line Report mailings.

Interest continues for new viewers to our "page" on the Internet. There is an increase in Chapter secretaries who are making good use to inquire about their members and to order supplies for the Chapters. As of this time over 5000 people have made a connect through the Internet.

Chapter reports went reasonably well this year - but we still have a few Chapters who were slow in returning their paper work. A HLR report will be going out soon and it will include this report as well as a Brochure and a few applications to each Chapter.

Treasurer Wes Randles presented the Financial Report for 1995 as prepared by Robert Wright, CPA of Eugene, OR.

He advised that the Scholarship Fund as of January 1, 1995 was \$123,840. To this add the donations of \$19,754 making a total of \$143,594. The investment returns on this amount was \$10,626. There was a carryover from last year of \$1,272. This amount added to the \$10,626 gives a total of \$11,898. From this amount a check for \$10,200

was sent to the Foundation for Amateur Radio to cover the Scholarships for 1996. This leaves a carryover of \$1,698.

The Scholarship program will be handled later by Chmn Smith. A motion was made and passed to contribute \$500.00 to the Scholarship program in honor of deceased Director Milton Chaffee.

The Building Fund as of January 1, 1995 was \$28,644. To this add the donations of \$300 for a total of \$28,944. The investment return on this amount was \$2,142, plus net sales from Caps & T-Shirts of \$432; for a total in the Building Fund of \$31,518.

Committee Reports

Chairman Kelleher reported on the Finance and Administration Committee meeting held on April 11.

Investments: The total value of QCWA's investments is about \$495,000.. The overall yield for 1995 was about 7.2%, or \$32,000, which is a little lower than our objective of 7.5%.

Dues: Reaction of the membership indicates that we should provide more information on the rationale for the dues increase, which we hope to provide in either the summer or fall issue of the Journal.

Management: We need to reduce the time required to produce reports on budgeted versus actual receipts and expenditures for a given period, in order to exercise more effective financial control. For example, the General Manager's monthly reports on receipts and expenditures can be distributed monthly (as is now done), and used as an informal status report until confirmed quarterly by the Accountant.

The membership Services & Chapter Assistance report was presented by Chairman Harrison. His activities have involved participating in regional hamfests and assisting local chapters in obtaining booths at several hamfests. Another activity of the Committee has involved a serious look at increasing QCWA membership in general.

The Committee will continue exploring avenues of approach maintaining contact with other members and also the General Manager. A motion was made and passed to initiate an award program for recruitment - details of this program will be announced.

New Chapter #195 with the name of Sun City Center was officially recognized and approved.

Chairman Edel presented the QCWA Activities report. His



continued on page 47

QCWA JOURNAL - Summer 1996

Everything you wanted to know about PACKET.....well, MAYBE

by H.C. "Duke" Knief, W2YTO
P.O. Box 2516
Hendersonville, NC 28739

A few weeks ago, I attended the QCWA Board of Directors meeting in San Antonio. At one of the gatherings, someone suggested that I write a brief article for the Journal on Packet Radio. The comment was something like...."I've got a computer and I'd like to get on Packet, but I have no idea how to do it. Why don't you write something?" As it happens, I run a Packet bulletin board, and he assumed I had all of the answers. Well, not quite! But, for those of you who have no idea of what's involved with Packet, read on. This article is for YOU! If you're already working in the digital mode, flip the page. Packet can be useful and fun and it's the only mode where you can chat in real time or send a message to someone even if they're not physically present at the other end. There are three basic components that you'll need to get up and running, and we'll look at them one at a time....the computer, the radio and the TNC.

First, the computer. If you don't have one by now, you're missing one of the greatest tools of the 20th Century! Sure, you can get by on Packet with a thing called a "dumb terminal", but why invest in something that has limited use? Prices have never been lower on new units and the used computer market borders on give away status! A computer will allow you to write letters (and check your spelling), balance your checkbook (effortlessly), keep track of your investments (flawlessly) and a host of other 'normal' uses too numerous to mention. Then, there's ham radio. How about a propagation program that will show every aspect of the propagation science; a logging program that will track ALL of your contacts by country, band and mode, QSL -Yes or No, and tell you when to submit for an award or endorsement? Track satellites and point your antennas automatically. And then there's Packet Radio and many software programs, DOS and Windows, to get you up and talking. Even if you have no interest in Packet, you deserve a computer and this is a great time to get one. Discuss your needs with a "computer-literate" friend and you should be able to find something economical to meet all of your needs.

Next, the radio. Packet signals can be found on HF, VHF, and UHF. Since you're starting out, it's probably best to get your feet wet on 2 meters. If you have an HT, and you can connect to the audio input, output and PTT, you're there! The next, obvious question is "What frequency?" Check your ARRL Repeater Directory and look for packet in your area. 145.01 is the most common. Tune your HT to the frequency and listen. If you can hear the "BRAPPPPTT" of a packet signal, great. So far, so good.

The final item is that bit of magic that puts it all together, the TNC (Terminal Node Controller). Now, I'm not about to tell you what happens inside that little black box except that it takes the audio signal from the HT and converts it into something that can be stuffed into the serial port of your new com-

puter (you did rush out and buy one, didn't you)? It also takes the output of your computer and converts it into an audio signal that's put into the mike input of your HT. Simple, isn't it? Virtually all of the available TNCs have an additional feature called a MAIL BOX. I'll get to that in a minute. An entry level TNC will cost about \$100, less on the used market. Most come with software programs and a full set of instructions. You may be able to borrow a TNC and do a little investigating before you spend any money on a TNC. Okay...if you're still with me at this point, the next question is, "SO WHAT?" What can I do with this equipment now that I've got it?

First, there's the "standard" packet network....a series of linked, nation-wide LANs (Local Area Networks) where amateurs can chat with each other keyboard-to-keyboard, leave messages on individual TNC Mail Boxes or connect to a local bulletin board where they can read a plethora of bulletins from around the world on a variety of subjects. The bulletin boards also offer forwarding of personal messages and bulletins around the world using HF and satellites. ARRL bulletins on DX, propagation and other topics appear regularly. On my BBS, we have a feature that allows a message to be sent to all the Chapter members who are on packet..... in a matter of seconds. When the TNC receives the message, a little LED flashes to let them know a message is waiting.

Next, there are the DX Clusters. Here you will find literally hundreds of amateurs passing information on DX "spots"...who the DX is, where the DX is, and comments about what is being worked, signal strength, QSL route, etc. The DX Clusters also maintain "libraries" with a wealth of other information including QSL managers, ARRL and Ohio/Penn DX bulletins, propagation reports and just about anything needed by a DXer. Imagine this, if you can: A DX "spot" appears on your screen for P5XX.....14.050. Your software checks and finds you haven't worked a P5 on 20m CW. The computer tunes your transceiver to the proper frequency, points the beam to the proper heading, automatically calls the station and recognizes the response, gives a 599 (from the digital S meter), logs the contact and prints the QSL! You, meanwhile, were having dinner! Yup...with a voice synthesizer, you could "work" them on SSB too. While most of us would agree this is an extreme, it's an example of what can be done....TODAY!

Finally, here in the Southeastern USA, we have another network called SEDAN (South Eastern Digital Amateur Network) which is devoted entirely to passing emergency messages.....no forwarding as with the BBS, no DX "spots", just emergency traffic. With many of the links on back-up power, the Network currently stretches from the Atlantic Ocean to Nashville, TN and from Orlando to the Pennsylvania border. There are plans to extend the range further north into New Jersey (I guess the "S" will get dropped if the spread continues). Currently, it's possible to connect from northern Virginia to Nashville in about 5 seconds. Regardless of what you may have heard, Packet is getting faster!

Hopefully, I've piqued your interest in Packet by writing this short article. For more information, K4ABT runs a regular Packet column in CQ magazine and "Packet Perspective" by W1LOU appears in QST. ARRL publishes "Your Gateway to Packet Radio" by W1LOU and Joe Kasser, W3/G3ZCZ has written "Basic Packet Radio" as well as authoring "Lan-Link", a Packet software program in wide use. Check page 57, May 1996 QST for Ham Radio software available for your computer. See you at the keyboard. W2YTO.

WAS - Another Club Project

by Richard (Berk) Berkemeyer, WØREP
402 Kingridge Dr.
Ballwin, MO 63011

Another Way to Help Revitalize Your Chapter

Our club's program, Calls for Kids, described previously is an ongoing program for helping kids who are in a hospital for an extended period of time. This article will describe an activity which our club takes on each year. It's fun for all, gets many members involved, and helps members hone their skills with the microphone or key. Started as a one-time project, it has generated so much enthusiasm that it has become an annual event.

Each fall we get together to try to work all states in one day. Have we ever succeeded? No, and I for one hope we never do. It's the trying that is the fun, and since it is not part of any contest, the only pressure is that which we put on ourselves. . . I assure you that it isn't very great. We're too busy enjoying ourselves to generate much pressure. That, and the fact that there are no special rules and we limit the operating period to less than eight hours, reduces the stress to nil!

While we set up in our club room, there is no reason that we couldn't set up at one of the members shacks, or, if the weather permits, in a park or wherever. The club has a beam antenna on the roof along with an all-band dipole. This limits us to two transmitters. Often one is on SSB and the other on CW, but the operators set up as they wish. Also we don't use power amplifiers, which reduces the QRM between the two stations.

One of our members acts as chairman of the session. He assigns operators to two-hour shifts, arranges for the equipment and in general makes things work. Some of the members show up only for their assigned shift, but most are there for the entire day. It's up to the individual. As a result of the extra operators, anyone who tires has no trouble getting relief, and there is no shortage of loggers.

A large chart is prepared ahead of time which lists all 50 states in alphabetical order. It is large enough to be read from the operating positions and elsewhere in the room. We mount it on a large piece of rigid foam and use tasseled swizzle sticks to mark each successful contact of a new state. As the day passes and the states pile up, the excitement increases as each new state is flagged.

Some of the guys bring in donuts and the coffee pot and coolers of pop and 807s are always ready. A local pizza shop delivers lunch. Nobody starves or goes dry.

How have we done so far? The average number of states is about 35. Is that good? I don't know, but we keep coming back each year, so it can't be too bad. Could we do better? Probably, but it would take more work and increase the pressure on the operators and loggers, so why worry! Besides, we want everyone to take part, not just the contest pros.

So give it a try! Special certificates are cheaply made to be sent to all contacts who send an SASE and the QSL cards look nice on the club room wall. No club room? An inexpensive photo album will do just as well, and everybody can see how much fun you had. Incidentally, if there is a craft show or community fair in the area, you can set up there and display that Chapter banner that has only been used at your monthly meetings. But the main thing is - HAVE FUN! WØREP

Net Control Stations Needed

The Sunday Net which meets on 14.347 at 20:00 hours UTC is extremely short of net control stations. We need at least six stations to conduct the net in a effective manner. At present there are only three stations whom I can count on. The QCWA International Net would like to have at least 3 additional stations who can participate. Stations are needed on either coast and will be placed into a regular rotating roster. If you desire to become a net control, a list of net controls, the preamble and net log sheets will be supplied to you.

J. Frederick Strom, K9BSL, QCWA Activities Manager

JONES KEYS



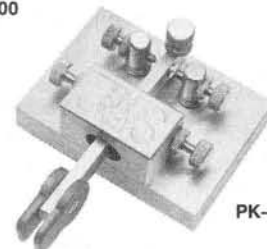
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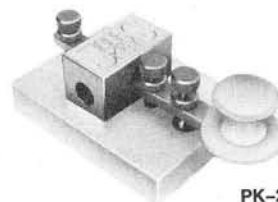
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Model PK-200-G Dual paddle (Gold Plated)
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FCC Highlights

By Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

ARRL FILES REQUEST TO EXPAND PRB-1

In a petition for rulemaking filed February 7, the League calls on the FCC to amend Section 97.15(E) to say that any state or local ordinances restricting ham radio antennas to heights below 70 feet would be presumed unreasonable, unless the state or local authority could show that its restrictions support a clearly defined health, safety or aesthetic objective. State and local governments also could not impose substantial application costs on amateur service licensees. The League also wants the FCC to acknowledge that it has an interest in the effective performance of amateur radio stations in areas regulated by deed restrictions or restrictive covenants rather than by local zoning ordinances.

FCC SAYS YES TO HAMS ON 219-220 MHz (ARRL Bulletin 8, 013196)

The FCC has affirmed the secondary allocation of 219-220 MHz to Amateur Radio. The action, for the most part, denies a Petition for Reconsideration filed by Orion Telecom, an Automated Maritime Telecommunications System (AMTS) licensee.

ARRL vs. AUTO LOCATION

In comments on an FCC Notice of Proposed Rule Making to temporarily remove hams from the band 75.5 to 81 GHz, the League asked the FCC to maintain the existing ham allocations, to spur development of short-range high-speed data links.

Automobile manufacturers differ on the issue of continued Amateur Radio use of the 76-77 GHz band. Ford Motor Company opposes continued use of the band by hams. General Motors says that vehicle radar systems would not be adversely affected by continued amateur use of the band. Japanese automakers don't want to use these frequencies at all. They say they prefer 60-61 GHz for these systems.

AMATEUR RADIO RESTRUCTURING

This item is not an FCC highlight; but it does have a bearing on the ARRL's future position on licensing, on international licenses, and other quasi-regulatory issues.

Here is a condensation of a Resolution adopted at the Annual meeting of the ARRL Board of Directors on January 19 and 20: WHEREAS, various concepts for simplification of the Amateur Radio Service licensing structure are being discussed in the amateur community; and

WHEREAS, the League is committed to the principle that no structural changes should reduce the privileges of existing classes; and WHEREAS, maintaining integrity of the amateur examination and licensing process is essential to the future health and growth of Amateur Radio; and WHEREAS, the League is cognizant of efforts to harmonize the standards for amateur licensing in different countries, which supports the objective of reducing the barriers to the movement of radio amateurs across international borders; and WHEREAS, these issues are related to the provisional WRC-99 agenda item to consider Article S 25 of the international Radio Regulations, the technical and operational rules governing the Amateur and Amateur Satellite Services, including but not limited to the requirement to demonstrate Morse code ability in order to operate below 30 MHz; and

WHEREAS, the ARRL Board of Directors recognizes that it is essential for the League to solicit input on these issues from the broad range of its membership and to develop policies that will ensure the future health and growth of Amateur Radio; NOW THEREFORE, BE IT RESOLVED, that the President is authorized to appoint a committee made up of Board members and other representatives of the broad range of the membership. The terms of reference shall be to make recommendations for ARRL policy positions encompassing the issues listed above. The committee's first tasks shall be to define the process by which membership input should be solicited and the opinions of the membership objectively determined, and to formulate a request for funding for this process and for the remainder of the committee's work. The target date for completion of these initial tasks shall be 120 days after appointment. The committee's final report shall be rendered to the Board no later than December 17, 1996.

President McCoy sought without success to have a QCWA representative appointed to this Committee, as we feel that the U.S. position on these matters, in U.S. proposals to WRC-99, should reflect a consensus of all U.S. Amateurs. See the President's column in this issue, and the Notice to all QCWA Members.

NEW EUROPEAN EMI STANDARDS

From England comes word that the draft of the European Union EMC Standard has been published by the European Telecommunications Standards Institute. It contains procedures and tests to ensure compliance with the European EMC Directive which came into force on the 1st of January. The Radio Society of Great Britain, through its EMC and Licensing Advisory Committees, is evaluating the document and will be responding to it.

Copies are available from the British Standards Institution, 389 Chiswick High Rd., London, United Kingdom

MORE DETAILS ON VANITY CALLSIGN DELAY

If you are wondering why the vanity call sign program is still on hold, look to some of your fellow hams for the answer. Several are still petitioning the FCC for last minute changes in the program. Those petitions, coupled with a mandate from Congress to implement the Telecommunications Rewrite Act have put vanity calls on hold until at least midyear.

RM-8626 - RIP

The FCC has said no to a rules change request that would have placed severe limitations on stations issuing ham radio news and information bulletins. The agency did so by dismissing a rules change request filed last year by ham radio publisher Fred Maia, W5YI.

The Maia petition, which had been assigned rule making number RM-8626, claimed that the high frequency ham radio bands were being overrun by bulletin stations, and that these



bulletin operations were unilaterally setting up shop and causing interference to already established ham radio communications

RM-8626 was strongly opposed by the American Radio Relay League. The petition also pulled strong opposition from other sectors of the ham radio community that are involved in news dissemination. With little in the way of support the FCC decided to dismiss the Maia petition rather than let it go forward to a rule making notice. The FCC has also made clear that it will not revisit the issue again anytime in the foreseeable future.

FCC DROPS PILOT RFI PROGRAM

The FCC has quietly ended a pilot program in Tampa, Florida, that referred consumer-electronics interference cases to a local repair shop for resolution. Jim Dailey, the FCC engineer in charge in Kansas City and head of the FCC's privatization task force, says the FCC's data showed the program "had no takers" because the complainants did not want to spend money to eliminate the interference.

Fear was another reason, says Roy Lewis, W4WLY, whose Vulcan Electronics in Tampa was the only shop certified by the FCC (from August 1995 until February 1996) to deal with interference problems. Lewis reports that all of the approximately two dozen complaints of RFI to televisions, stereos, telephones and even air conditioners, stemmed from unlicensed, high-power operations that the customers already had identified. He said the customers not only didn't want to pay to have the problems resolved, "they were afraid of retaliation if I went out there."

Lewis said the consumers complaining about RFI problems believe the government should do something about it. Extremely high-powered 11-meter operations are common in the Tampa area, Lewis reports. He said the scofflaws often cascade several illegal power amplifiers to obtain extremely high power levels, and he'd like to see the FCC beef up enforcement, "at least in metro areas."

Ralph Barlow, engineer in charge of the FCC's Tampa office, agrees that such illegal operators generate lots of interference complaints, but says it would take more than complaints before his office would treat it as a compliance issue. For example, a properly operating amplifier could cause telephone interference, but "it's still the telephone's problem," he suggested, until the FCC has good reason to believe the interference source also is breaking the law. Then, "we would address it only as a compliance issue" and on a priority basis. "Which probably means we'd never get to it," Barlow conceded. Tracking down an offending operator can sap a lot of resources the FCC needs to apply elsewhere, he said. "We go after the worst first."

In an April Public Notice, the Commission said it cannot resolve most of the thousands of complaints of interference to TVs, radios, stereos and televisions "because the cause of this interference is the design or construction of these products and not a violation of any FCC rule."

Resolving interference problems will be the responsibility of manufacturers and consumers, Dailey said. "We are separating the issue of interference from the issue of compliance. We are not in the television or telephone repair business." Dailey said consumers who buy an electronic device "have a presumption that it ought to work when they buy it."

In the same Public Notice, the Commission emphasized that its Compliance and Information Bureau "will continue to take appropriate enforcement action where it has been deter-

mined that the interference is caused by violations of the Communications Act or the Commission's rules or policies."

VANITY CALL SIGN FILING GATE 1 OPENS MAY 31!

The vanity call sign program is almost here! The FCC has announced that Gate 1 of the vanity call sign program opens May 31, and eligible hams may file applications on or after that date.

Under Gate 1, you can file for a previously held individual or club call sign or for a call sign formerly held by a deceased close relative. Specific eligibility criteria are below. To request a vanity call sign for your primary station, you must already hold an unexpired amateur operator/primary station license. To obtain the former call sign of a deceased close relative, your license also must be of the proper operator class. To request a formerly held club station call sign, you must also hold an unexpired club station license listing you as the trustee. Vanity call sign applicants must use FCC Form 610-V to file.

Applicants should refer to the licensee data base to make sure the call sign they are requesting is not already assigned. A call sign is normally assignable two years following license expiration, surrender, revocation, set aside, cancellation, void ab initio, or death of the grantee. FCC Fact Sheet PR5000 Number 206-V, Amateur Station Vanity Call Sign System, has details. For explanations of Groups A, B, C and D and the geographic Regions, see Fact Sheet PR-5000 #206, Amateur Station Sequential Call Sign System.

Legibility is critical! If your application is not legible, you could experience a delay in processing, lose the opportunity to obtain a requested call sign or even obtain a call sign different from what you want.

Gate 1 Eligibility Criteria

Request by Former Holder (Primary Station): For your primary station, you may request a call sign that was previously assigned to your primary, secondary, repeater, auxiliary link, control, or space station. You may request your former call sign even though it has been unassigned for less than two years. The two-year requirement does not apply to an otherwise eligible primary station if the call sign was previously assigned to a station of the requester. You do not have to hold a class of operator license required for the Group (A, B, C, or D) for the call sign requested.

A call sign request by a former holder may be from any group in the sequential system. Your mailing address does not have to be in the region designated in the sequential system for the call sign requested. A call sign requested by a former holder may be in any region.

Request by Close Relative of Former Holder Now Deceased (Primary Station): For your primary station, you may request a call sign that was previously assigned to the primary, secondary, repeater, auxiliary link, control, or space station of your now-deceased spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, step-sister, aunt, uncle, niece, nephew, or in-law. You may request the former call sign of a close relative now deceased even though it has been unassigned for less than two years. Upon the death of the holder, a call sign is assignable immediately to an otherwise eligible primary station of a close relative.

You must be an Amateur Extra class operator to request a Group A call sign.

continued on page 11

Amateur Radio Satellite News

by Keith Pugh, W5IU, Vice President, Operations, AMSAT-NA, 3525 Winifred Dr., Ft. Worth, TX 76133

INTRODUCTION -

The science of orbital prediction has come a long way since the launches of Sputnik on 4 October 1957 and OSCAR-1 on 12 December 1961. At the time of these launches, the average Amateur Radio Satellite enthusiast could only rely on published data or predict passes of low circular orbit "birds" by extrapolating the pass times based on observation of orbital period and increment. The mathematics of orbital prediction were originally developed by Johannes Kepler (1571-1630), but it wasn't until the advent of personal computers that solving Kepler's Equations became practical for every Amateur Radio Satellite enthusiast. Now that personal computers are in practically every operator's shack, it is easy to have full awareness of the schedule for all Amateur Radio Satellites. This column will be devoted to the software available to predict satellite passes, perform the telemetry capture and analysis tasks, provide station control functions, and digital communications tasks. A short status summary for the Phase 3D project is also included.

ORBITAL PREDICTION -

The first popular prediction device available to the average Amateur Radio Satellite enthusiast was the OscarLocator. This analog device worked quite well for circular orbit "birds."

Armed with this device and a list of equator crossing times and longitudes, accurate pass predictions for any QTH were possible, including antenna pointing angles. Equator crossing data for each "bird" was available from AMSAT, ARRL, and other sources.

The OscarLocators were available from the same sources for less than \$10.00. This method worked well until the advent of the elliptical orbit satellites.

As part of the development of these new "birds," Dr. Tom Clark, W3IWI, developed the mathematical algorithms needed to perform orbital predictions based on Kepler's Equations in a personal computer of 1980 vintage. Tom's work formed the basis of virtually all of the subsequent offerings available today. The only differences are the "bells and whistles" that customize each individual offering.

Another aspect of this customization is the difference in capabilities of individual computers. Obviously, a modern Windows based Pentium processor machine will support more "bells and whistles" than a Commodore 64 or a HP-41 Calculator and will also perform the tasks much faster. Don't sell the lesser machines short. They will still do a perfectly adequate job of predicting the essentials: date, time, azimuth, and elevation.

Dr. Tom, while President of AMSAT, organized the AMSAT Software Exchange as a tool for soliciting new versions of the software from other authors, distributing the software to users, and as a fund raiser for the Amateur Radio Satellites. Donations for software have been the best fund raiser found so far with the exception of memberships. A complete listing of all software available from AMSAT Software Exchange can be obtained from AMSAT upon request at telephone (301)589-6062. Descriptions are also available via the AMSAT Home Page on the Internet. The most popular offerings for IBM clones are InstantTrack, Quiktrak, and WinSat.

Several other offerings are available as shareware from various vendors and bulletin boards including the AMSAT FTP site. Popular offerings include STS ORBITS PLUS, TrackSat, and PC Track. Excellent commercial offerings such as Nova, RealTrak, and GrafTrak are available from Bob Myers Communications and other sources.



All orbital prediction software mentioned above relies upon Keplerian Elements for each individual satellite to perform the predictions. This data is accumulated and distributed by NORAD and NASA within the USA. This data may be obtained from NASA direct or via organizations such as AMSAT. Distribution is via published data in the AMSAT Journal and electronically via Internet, Packet Radio, W1AW, and telephone bulletin boards. New data is required at least every two to three months, for most satellites, to retain good accuracy. In the case of very low altitude satellites, such as MIR and the Space Shuttle, new data is required whenever you can get your hands on it. These satellites also re-boost their orbit periodically to stay in orbit, creating discontinuities with each rocket burn.

These programs are great tools to learn about orbital mechanics while performing the predictions necessary for day to day operation on the "birds." Many of these programs also perform the "number crunching" necessary for station control tasks such as antenna and radio control. It is easy to become a satellite tracking software "junkie" with all of the programs available today.

TELEMETRY CAPTURE and ANALYSIS -

Telemetry capture and analysis is a little publicized, but rewarding, aspect of the Amateur Radio Satellite hobby. Every satellite produces some form of telemetry to keep ground stations apprised of the "health and welfare" of the satellite. Software is available to assist in the capture and analysis of this data.

TLMDC II is an excellent program for the Pacsat Series that is available from the AMSAT Software Exchange. AMSAT-UK distributes two programs called DTLM and SPLOTT that are excellent for the Pacsat and UoSat series. A shareware program called WHATS-UP is available from G3ZCZ/W3 and can be found on many bulletin boards. Some of the newer prediction and station control programs also include telemetry capture routines. Last but not least, commercial offerings such as MicroSoft Excel can be very valuable as analysis tools.

This fascinating aspect of the hobby is best described in a book titled "Decoding Telemetry from the Amateur Satellites" by G. Gould Smith, WA4SXM, from AMSAT-NA.

STATION CONTROL and COMMUNICATIONS -

Two "super programs" have emerged as integrated station control and digital communications programs. SATSKED by

Wayne Roth, WA2N, was the first of these and it is still available for use in a MS DOS environment. WISP by Chris Jackson, ZL2TPO, for use in a Windows environment, is the current "rage." These "super programs" include elements of all software mentioned so far.

They provide orbital prediction, scheduling, antenna control, radio control, message generation, message decoding, and telemetry capture all within a multi-tasking environment.

Obviously, these programs require "top end" PCs to have the speed and memory to accomplish all of these tasks at once. Hardware drivers for all popular antenna and radio controllers are available. With either of these programs, it is possible to completely automate your digital satellite station.

Both of these programs are available from Internet FTP sites, BBSes, and on the "digital birds" themselves. They can be downloaded and used by anyone; however, registration with AMSAT is necessary to preclude identification as an "un-registered user."

PHASE 3D STATUS -

Work continues at an accelerated pace on the World's most sophisticated Amateur Radio Satellite ever, Phase 3D. The space frame is nearly complete in the Orlando, FL, integration facility. Cooling provisions, propulsion system plumbing, and electrical wiring are virtually complete at this time. Flight antennas are under construction and nearing completion. Flight electronic hardware is arriving daily in Orlando for integration into the satellite. Most of the electronic hardware has received its initial operational checkout under supervision of Dr. Karl Meinzer, DJ4ZC, in the labs at the University of Marburg, Germany. After final integration, the satellite must undergo "shake and bake" testing at laboratories in Maryland. This "shake and bake" is scheduled for the September-October 1996 time frame. Fabrication and test of the Specific Bearing Structure (SBS), built to house Phase 3D during launch and support the primary payloads above Phase 3D, is now complete.

Phase 3D is still scheduled for launch on the second of the Ariane V series of launchers. The development program for this launcher has slipped. Originally, the first launch was scheduled for late 1995. Currently, the first Ariane V launch is scheduled for 23 May 1996 and appears to be on schedule for that date.

With all of this in mind, the second Ariane V will probably go in December 1996 or later. As you can see, the rest of 1996 will be challenging times for the developers of Phase 3D and the Ariane V launch vehicle. AMSAT continues to take advantage of the available time to build a better and more capable satellite and to thoroughly test it at each possible step before launch. AMSAT now has a contract with Arianespace for a launch on either an Ariane V or an Ariane IV no later than July 1997.

Fund raising efforts have succeeded in producing the money necessary to build and launch the satellite; however, it is still tight. No money is currently available for launch insurance.

Additional funds are necessary to support launch insurance and to provide for contingencies in case the launch slips to the July 1997 date.

The first meeting of the Phase 3D Operating Council, made up of the project's six major financial contributors, was held in Marburg, Germany, last March. These organizations are: the Deutscher Amateur Radio Club (DARC), the German Ministry of Science and Technology, AMSAT-DL, ARRL, AMSAT-

NA, and AMSAT-UK.

The first command station meeting, with a new US Command Station aboard, is taking place in Marburg as this is being written.

CONCLUSIONS

Software is available to support all facets of the Amateur Radio Satellite program, and you can have as many "bells and whistles" as you want. This software takes a lot of the uncertainty and work out of operating on the satellites while providing an avenue for technical achievement and a valuable fund raiser for the new "birds."

The Phase 3D project is "on track" for a launch in late 1996 or early 1997. A lot of challenges remain, but the "light at the end of the tunnel" is visible. W5IU

FCC Highlights from page 9

You must be at least an Advanced class operator to request a Group B call sign. You must be at least a Technician class operator to request a Group C call sign. You must be at least a Novice class operator to request a Group D call sign. Your mailing address does not have to be in the region designated in the sequential system for the call sign requested. A call sign requested by a close relative of former holder now deceased may be in any region.

Request by Former Holder (Club Station): For the club station for which you are the license trustee, you may request a call sign that was previously assigned to that station. You may request your club station's former call sign even though it has been unassigned for less than two years. The two-year requirement does not apply to an otherwise eligible club station if the call sign was previously assigned to the club station for which the requester is the license trustee. You do not have to hold a class of operator license required for the Group (A, B, C, or D) for the call sign requested. A call sign request by a former holder may be from any group in the sequential system. Your mailing address does not have to be in the region designated in the sequential system for the call sign requested. A call sign requested by a former holder may be in any region.

A \$30.00 fee is required with your FCC Form 610-V application. Payment of fees may be by check (payable to "FCC"), bank draft, money order or credit card. If paying by credit card, you must also complete and submit FCC Form 159 with your FCC Form 610-V. Do not send cash!

Send your application package to: Federal Communications Commission, Amateur Vanity Call Sign Request, PO Box 358924, Pittsburgh, PA 15251-5924. If you do not qualify under the above eligibility standards, your application will be dismissed.

The FCC says it will announce Gate 1A in a future notice. Under Gate 1A, club station trustees may file for the former primary station call sign of a person now deceased, provided the club held a club station license on March 24, 1995. W4ZC

For more information about the vanity call sign program, call the FCC Consumer Assistance Branch, 800-322-1117.—FCC

Sylver Belles

by Esther Given, W6BDE, 117 La Granada, Moss Beach, CA 94038

Phyllis Shanks, W2GLB

It's the fall of 1959 and the Shanks family in Richmond, Washington is gathered round the dining room table. Bill, the dad, is the family "Elmer" teaching code, theory, and radio construction to his YF, three youngest children and himself. (#1 daughter is away at college.) Everyone is learning to solder, copy CW and build Heathkits.

One day the Shanks family appeared before the Atom Smasher's Radio Club examiner, took the Novice exam and all passed. For one of the rare times in FCC history a family of five received consecutive calls: KN7KSE, Bill; KN7KSF, Phyllis; KN7KSG, KN7KSH and KN7KSI for the three junior operators.

At first the family shared one rig and since mom and pop were both employed, the kids made the most contacts. Bill, KN7KSE, upgraded shortly because he craved DX. He built a pair of Heathkits twins, one for the home QTH, the other for the car. When the license year ended none of the rest of the family had upgraded so lost their privileges. Our featured YL was strongly encouraged to re-apply and a few months after it lapsed, K7KSF was reissued to conditional technician, Phyllis Shanks.

The following year the Shanks family graduated to Heath's Mohawk and Comanche followed by a sideband converter when it became available, put up a beam and began serious hamming. Although Phyllis was still a working YL she managed to meet a lot of schedules and run phone patches.

A YL friend, Bobbie, K7RAM, suggested one day that there were sufficient YLs in the northwest to have a net. Phyllis was enthusiastic and a YL net on 75 meters was set up. Soon check-ins were received from YLs in Montana, Idaho, Nevada, Oregon and Washington. Using the first initial of those northwestern states the MINOW YL net was established and is still functioning.

In 1967 the Shanks family was transferred to the San Francisco Bay area. Through K6KCI, W7NJS and other previous YL contacts, Phyllis was introduced to several YLs in the new area and promptly became a member of Bay Area Young Ladies Amateur Radio Club. Her 7-land call letters were especially appropriate to her new surroundings since KSF was an important ship-to-shore station. Although their assignment was of short duration, Phyllis was an active and enthusiastic BAYLARC mermaid.

Their next assignment was in Spain where no reciprocal privileges existed at that time. They enjoyed Spain but were glad when they were reassigned to upstate New York where they quickly resumed their ham activities. Oswego, New York was an hour's drive from the FCC offices in Buffalo. Since Phyllis and Bill held conditional licenses the day came to upgrade and obtain full amateur status. Phyllis was elated to learn she had passed both general and advanced exams in the same day. With their new licenses, W2GLB and W2GTX joined Navy Mars as NØBBO and NØYSY but lost interest due to lack of traffic in their area.

After three years upstate they were transferred to Long Island, NY just as Phyllis was installed as president of YLISSB. The following year she was elected vice-president of YLRL. Operating conditions were excellent in those days and Europe seemed like "next door". Phyllis met with the NY City YLs but felt there should be a 2-land YL organization. She talked it up on the air and soon SAYLARC was born.

Before the club got off the ground they were transferred again but the other interested YLs carried on. This year SAYLARC will host the YLRL convention in Albany in July.

Over the years Phyllis and Bill added hobbies that incorporated amateur radio in their operation. They learned to sail, making use of maritime mobile and operated their airplane in Search and Rescue missions for the CAP. Captain Bill as a pilot and Lieutenant Phyllis as radio officer.

Phyllis has always been an active participant in YL organizations. In 1963 she was one of the organizers and charter members of the YL International Sideband System. She served as its president in the early '70's. In YLRL she has served as vice-president, president and in more recent years as a presidential advisor and chair YL of the committee serving affiliated YL clubs.

After Bill's retirement they moved to Arizona. Phyllis chose to keep her 2-land call, W2GLB, and its associated phonetics "Girls Love Boys" or "Golden Little Butterfly". Bill kept W2GTX and they became permanent snow birds. Soon Phyllis set about reorganizing the Cactus Keys, the YL club in the Phoenix area. Many QCWW members and other YLs will recall the fine luncheon this group arranged for YLs attending the QCWA convention in Scottsdale and its EmCee/Hostess, W2GLB. That convention was actually their introduction to QCWA.

Since retirement Phyllis and Bill have traveled to New Zealand and Australia where they contacted many hams on 2 meters as VK3DXO. They have also been active in the International League of Esperanto Radio Amateurs which meets at each of the International Congresses. Through this contact they have had the opportunity to meet many amateurs from countries around the world. Their most recent participation was last year when they attended the ILERA meeting in Tampere, Finland.

Wherever she has lived, Phyllis has been active in YL activities. If no YL group existed, she set out to create one. She is active on several YL nets each week, is highly regarded as an organizer and leader and has proven herself most valuable in proving and promoting YL capabilities.

Take a good look at the accompanying photograph. Don't you agree those phonetics should be "W2 Good Lookin' Babe"? W6BDE



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The Scholarship Fund is one of the greatest projects that QCWA has become involved with. The Fund is now in excess of \$148,000. Only the interest from this account is used for the Scholarship Awards. What a great way to ensure for our future.

Chapter Reports



Cleveland Chapter 1 President Bernie Hinrichsen, W2NTB, congratulates George Keltner, K8SGM (right) on receiving the coveted QCWA Meritorious Award. George was instrumental in securing our club station license, KB8ZBH. He is now license trustee. Our network, averaging 40 call-ins, is very active every Wednesday night at 8 PM on the 146.88 MHz local repeater. Everyone within hearing distance is always welcome to call in. Photo by W8WAB.

Chapter 1, Cleveland

Our quarterly spring luncheon-meeting was held at Dimitri's Restaurant in Parma on Saturday, Noon, April 13th. Some 60 QCWA members of our chapter and their spouses and friends turned out for the occasion.

Our proxy, Bernie Hinrichsen, W2NTB, happily fully recovered from his recent heart attack, presided at the business meeting. Then he introduced our vice-president, Andy Doles, W8UDG. Andy in turn introduced our guest speaker. He was David L. Kersten, N8AUH, ARRL Sections Communications Manager for Great Lakes district. OM Dave spoke about what the League is doing for us hams.

Kersten was attended by Allan Seversen, AB8P, former ARRL director. Seversen helped field some of the questions that were brought up by Clyde Rothstein, W8QHM and John Mistic, W8VRJ. There was also an extended discussion with Bob Briggs, W8MMC, regarding more active programs by the ARRL for recruiting young people into ham radio. Other chapter members likewise felt more effort was needed for fresh new blood.

After the meeting, door prizes were distributed by Bernie's lovely XYL, Helga, and Andy, W8UDG. Thanks to all of the members who contributed prizes.

We welcome 2 new members of QCWA and Cleveland Chapter 1. They are Steve Wolf, NØ8M and George Ingmand, WA8YVF. Hi, OM's!

Our condolences to Elmer Paulitzky, WA8HFC, and his family on the loss of his XYL, Caroline. RIP

Next meeting is scheduled for Saturday, July 20th at noon. As usual everyone is welcome.

Joseph Zelle, W8FAZ

Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal.

Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: August 1, November 1, February 1, and May 1.



Horace R. Brokaw, W2ACC receiving the 75-Year Plaque that was awarded by National. Horace will be 94 years old in July and he is still active on 75-meters and 2-meters. He was visited by W2SVV, W2AXU, N3NXW, WA2WYE, and W2UAE to make the presentation on April 18, 1996.

Chapter 5, Delaware Valley

Chapter 5 held their spring luncheon on April 20, 1996 at the Town & Country Restaurant, Routes 130 & 206, Bordentown, NJ. The luncheon started at noon and was attended by 50 members and guests.

Chairman George VanDyke, W3HK, opened the meeting by welcoming all the attendees and Caesar Arena, W2SVV, gave the invocation. Each one present was asked to stand and introduce themselves. Then lunch was served.

Once lunch was out of the way, a short business meeting was held with the reading of the minutes and a treasurer's report. A few announcements were made and then the speaker was introduced.

Our speaker was Mr. John Bartek, one of seven survivors of the plane that was carrying Captain Eddie Richenbacker on a secret mission to the Pacific War Theater during World War II. Eight crewman were aboard the B-17 when it went down at sea and seven survived after 21 days afloat with just 4 oranges as their total food and water supply when they got into the rafts. Mr. John Bartek told of this experiences during their drifting on the sea and their attempt at surviving each day until their eventual rescue. He had some pictures of his crew and a picture of himself at the time of his rescue showing his poor physical condition. The speaker's story was certainly a very interesting one.

There were twenty-two certificates awarded to members after the speaker had finished. The awards given out were: 70-Years as a licensed amateur: W3DJD, Titus H. Bean; W2AFD, Edward J. Coxey. 65-Years: K2DOV, Charles H. Davison; W2UDA, Anthony S. Rura. 60-Years: W2FBE, Charles E. Alsdorf; W2PAU, E. Miles Brown; W2XN, Robert C. Scully; W3HK, George S. VanDyke Jr.; W3REB, G.C. Weilenmann. 55-Years: W3GFZ, William F. Alexander; W3LOY, Edward T. Clegg; W3QGC, Marvin J. Foral; W3OOJ, Richard V. McClelland; W2NLJ, J. Donald Moulton; W2HAZ, William F. Petty; NG2S, Charles C. Porch; W2RIV, William R. Roberts; W9QEK, Maurice E. Robertson; W3KDB, Valentine V. Seidle. 50-Years: K2FL, John M. Heisey; W3KKN, Ernest Kenas. Century Club Awards went to: W2FBE, Charles E. Alsdorf; W3OOJ, Richard V. McClelland; W2XN, Robert C. Scully.

There were door prizes to be given out so all the ladies present received a gift and the men had a chance at two gifts. W2AXU, John Powers won an indoor-outdoor thermometer, and W3OOJ, Dick McClelland won a 1996 ARRL Handbook.

Members are reminded of the Sunday Morning net on 3917 kHz at 10:00 AM with W2EEQ acting as net control.

Don Field, W2UAE, Secretary

Chapter 10, Michigan

The members of Chapter 10 are welcoming their snow birds back to the Northland. It was a cold, long winter and we are glad that the snow is pretty much gone in lower Michigan but feel compassion for those in the UP that still are seeing it lying around. The weekly net has been operating despite atmospheric conditions that at times try one's patience. Intentional interference is also trying at times, but we try to ignore it, and hope all members will comply. We always welcome anyone who wishes to check in and also any members who wish to become members of the chapter.

We were saddened when W8LCU, Ralph, who usually attended our meetings, became a silent key. He listed another chapter as his home chapter, but attended meetings for several chapters in the state. Sympathy is extended to his YF W8QOY, Donna, who we hope will continue to attend our meetings.

Now that it looks more like spring, we are looking forward to the annual meeting and luncheon and hope that many members will be able to attend. This will appear in an issue of the Journal that comes out after the meeting, so the report on the meeting will be in the next issue.

Beverly Stoner, K8ZJU, Secretary

Chapter 12, Southeast Florida

Our chapter was again pleased to host the QCWA Hospitality Booth at the Miami Tropical Hamboree and to greet members from all parts of the USA. Chapter 12 also donated a watch for the lady's prize at the Hamboree.

At our recent meetings we have had several members in our "spotlight": Charlie Cox, W4RSG who was awarded his 55-year award in January; Joe Poerschke, WB4HIS, who works as Project Engineer for the company responsible for setting up the emergency call boxes on I-75; and Jose Deschapelles, W2JD, our newest member, who works as a Supervising Engineer for a company that provides TV and broadcast equipment to South America.

Our Secretary Art Rauch, W4VZ, is recovering nicely from

quadruple bypass heart surgery and we were pleased to have him back at our April meeting.

Our chapter meets at noon on the third Saturday of each month at Her-Bets Restaurant, 3900 NW 79 Avenue, Miami. Come join us.

Betty Clark, W4GGQ, Corresponding Secretary



Chapter 14 President Jack Pletcher, W6JIR (left) presenting a 70-Year certificate to Jerry Estep, W6JAO.

Chapter 14, San Diego

The winter Chapter 14 Sunday Brunch meeting was held on January 28, 1996. Following the brunch a slide show was presented by Biologist Mark Doder, son of Ed, W6BR and Barbie, W6IZB. The slide show was well received and demonstrated the work of a skilled photographer with a commentary showing a great knowledge of the plants and animals of the Southwestern US and Baja, California. His artistry was evidenced by dramatic scenes of earth, sea and sky, sunrises, sunsets and time exposures showing star traces against a background of desert landscapes.

Congratulations to the following members who received certificates in recognition of 50 or more years since first licensed. 50-Years: Steve Adams, K6PD and Reginald Carlson, W6FQO. 55-Years: Ralph Held, K6QS and George Roullard, K6GTP. 60-Years: Reed Evans, W6EHR; Agnes Langevin, W6MFP; Reuben Onstad, N6BAS; W.A. Simmons, W6MI; John Wieting, K6QM and 70-Years to Jerry Estep, W6JAO. Additional certificates will be handed out at our spring meeting on April 28.

Following the spring meeting Chapter 14 will not meet again until the fall. However the Wednesday evening net will continue through the summer and several of our members will participate in Field Day, manning the Ham Radio booth at Del Mar Fair and taking part in the July Miramar Disaster Drill.

Have a fun summer! Details of our Fall Brunch Meeting will be included in a newsletter prior to that meeting.

Reuben Onstad, N6BAS, Secretary

Chapter Reports, continued

Chapter 16, Barry Goldwater Arizona

What a ride! On April 27th 36 members and guests took the San Pedro & Southwestern Railroad trip for 25 miles along the San Pedro river valley from Benson to Charleston, AZ. The diesel engine pulled ten cars full of passengers and on the return trip we stopped at the Ironhorse Ranch for a delicious barbecue feed. Charleston was the stamp mill town for the big silver production around the Tombstone, AZ area in the late 1800s.

During the train trip Clem Chase, W7JGU, was presented with his QCWA 50-Year Award certificate by Chapter President Ralph Barr. On March 9th about a dozen people from the Arizona chapter attended the annual Spring Luncheon hosted by the Leo L. Meyerson Chapter in the Palm Spring area of California.

Due to a lack of facilities and overcrowding the Arizona Chapter will not hold a meeting at the July Fort Tuthill Hamfest this year. Our next meeting is set for August 10th at the Pine Cone Inn in Prescott, AZ. Our annual meeting will be held in October, time and place to be announced in the July Newsletter.

Cliff Bruce, W7ER, Secretary

Chapter 17, Allentown - Bethlehem - Easton

Barn-House Village Restaurant, March 16, 1996, Allentown, PA Meeting opened by President Bill Werner, W3FYK at 10:16 AM. Motion made by Clarence, W3PYF, seconded by Elmer, W3FVT to accept minutes of the February meeting as published in the Newsletter. Motion carried. Bill then read a thank you note from Moravian Hall Square Retirement Community for the gift to their Good Samaritan Fund on behalf of Clement Semper, K3VUM.

Ray, W3TDF gave the treasurer's report as: opening balance \$403.32; income from dues - \$45; expenses - \$104 (\$40 donation as mentioned above); and \$64 for postage stamps; ending balance - \$344.32. Motion by Joel, K9TBD to accept, seconded by Frank, W3BRU, motion carried.

New member application presented on behalf of Ron Hontz, KB3IF of Bethlehem. Motion to accept by Andy, W3ECT, second by Joe, WA3BRW. Motion carried and Ron was welcomed. Ray, W3TDF announced that this brings our membership back up to 52 despite 3 dropouts.

A letter from QCWA sent to Van, K3CP was read by Bill, W3FYK regarding Van's 50 year pin.

Old Business: The subject of an attending member receiving breakfast free by pulling a name from a hat (or box) was discussed. Then Van, K3CP motioned to inaugurate same, seconded by Bud, W3GOS, carried. Also, the report on the availability of Coopersburg Diner for a meeting was given by Ray, W3TDF. Motion by Van, K3CP to have the April meeting there, seconded by Frances, W3IYG, carried. Also the suggestion at last month's meeting to have an informal breakfast on other Saturdays at 8:30 AM, received favorable comments. Bill, K3ANS volunteered to set it up.

After adjournment, Bill, W3FYK showed a 1966 op-amp which was about 3/4" x 1" x 1-1/2", and a recent production about the size of a pencil eraser. Van, K3CP then related that Texas Instruments first put all the components on a chip.

Ray Bilger, W3TDF, Secretary/Treasurer

Nebraska Chapter 25, QCWA

The annual meeting of Nebraska Chapter 25, QCWA was held on April 27, 1996 at the Knolls Country Club in Lincoln, Nebraska.

The Board Meeting was held at 10:30 A.M. to take care of any business that may have been brought before it. Present for the Board Meeting were; President Richard Newsome WØHXL, Vice President Robert Atwood, KØIXY, Secretary Dale Reandeau WWØR, Treasurer Reynolds Davis KØGND, and Board Members John McKinney WØAP, John Ferrel WØYDV, Gary Reiss WAØJRM, and Charles Davis NGØM.

The Secretary's Report was given by WWØR with the statement that there were six 6 certificates to be given for longevity as amateur radio operators.

The Treasurer's Report was given by KØGND with the current balance in the treasury of \$1053.42. Treasurer's Report approved as read. Chapter 25 has 78 paid members.

There were two 2 changes in the Chapter By-Laws. 1. Article II Section 1. Amount of yearly chapter dues was removed and a statement inserted that the amount of the chapter yearly dues shall be set by the Board of Directors. 2. Article VIII. This article was developed to take care of any activities of the chapter. The statement that the Secretary would notify the General Manager, QCWA of any change in Frequency or Time of the radio nets. The changes to the By-Laws were approved as read.

An updated application blank for membership in Chapter 25 was passed out by President Newsome. Changes in the application blank were explained to the Board and were approved.

President Newsome appointed new net control stations for the 3983.5 Mhz Net. NGØM, WØYDV, KØDBW, WØAP and WØNHS were the appointees. A net manager will be named at a later date by President Newsome. A nominating committee was appointed by the President.

The Board was informed that Charles Carey WAØDXY, Board Member, was having serious health problems and would not be running for re-election.

Dale Reandeau WWØR informed the Board that he did not desire to run for re-election as Secretary.

Board Member John McKinney WØAP stated to the Board that we must get the younger members of Chapter 25 to become more active in the day-to-day business of Chapter 25. The rest of the Board concurred in this matter. The Board was informed that WAØIWF had become an SK.

Having no further business, the Board Meeting of Chapter 25, QCWA was adjourned as of 11:14 A.M.

Dale F. Reandeau, WWØR, Secretary

Chapter 29, Finger Lakes

Since the last report written February 26th, we have continued our regular last-Friday-of-the-month 11:30 AM luncheons at Webers, located at the corner of Danforth and First North street, in Syracuse, NY. Newsletters have been published on a regular basis, skipping the months in which the QCWA Journal arrives. We will be cutting back to one newsletter between National Journals due to the drain on the chapter's budget. George, W2RBK, has continued his series of "Ham Radio - The War Years" articles for the newsletter, concluding the series with the May issue.

Since February 26th we have, sadly, more Silent Keys to



NY2V (l) receiving Meritorious Award from Chapter President W2FUU.

report: Ed Preston, W2RIZ; Dick Erhardt, WA2FWW and only hours after I mailed the April Newsletter, one of our chapter's founding members, Howard Crosby, W2CCG. Ed was 92, Dick was 79, and "Bing" was 93.

Again, our Chapter net meets every Sunday at 12:30 PM on 3900 kHz. Checkins have been averaging about six, which history shows to be fairly typical. We invite the members-at-large throughout the Fingers Lakes, including Rochester which has so many hams but no QCWA chapter, to join us in our weekly roundtable!

Jim Mozley, W2BCH came within about 2 weeks of becoming an SK recently. He fell but did not realize for many weeks he had suffered a subdural hematoma. Surgery was luckily done in time. Jim's been taking it easy and is recovering fine.

Jim will be assisting me occasionally at the Rochester, NY Hamfest & ARRL Atlantic Division Convention's QCWA table. QCWA Director Walt Brink had a scheduling conflict and was unable to man the table, so having helped him last year, I decided to pinch-hit. . . on the condition I had a backup. The date shift by the Dayton Hamvention necessitated Rochester moving their giant event from mid-May to what in most years will be the Memorial Day Weekend. This first date-shifted event has not occurred as I write this. Hopefully the crowds will be huge as in the past. Rochester, NY's club jointly run a "really big show".

Some good publicity was provided us by the Liverpool Amateur Repeater Club. I wrote a one-pager concerning QCWA and Chapter 29, and it was printed in their "Longwire" newsletter for April. Not such good fortune when we requested a complimentary table next to ARRL's at their brand new hamfest. . . maybe next time.

On behalf of our President Joe Molinaro, W2FUU and all the chapter members join us on our new chapter net and at our luncheons. . . visitors ALWAYS welcome!

Fred Adsit, NY2V, Secretary/Treasurer



Bob Fairchild, W4FG (r) receiving his 75-Year Plaque from President Bill Bell, K4AVH.

Chapter 32, Gator

Average attendance for our monthly meetings this year is 38. The Chapter meets the first Saturday of the month at Stacey's Buffet, 1451 Missouri Avenue, in the Midway Shopping Plaza, Clearwater, Florida. The luncheon starts at 11:00 with the meeting at noon. If your travels bring you to west central Florida in the future please plan to join us.

Two of our members received their 75-Year plaque this year. Harold Johnson, K4GVB, first licensed as 2CHC accepted his plaque with the assistance of Lois, his wife of 66 years. Bob Fairchild, K4FG started his amateur career while living in Portville, NY. Bob graduated from Penn State and retired from AT&T Long Lines. Both Harold and Bob are still active on the bands.

This year also marks the first awarding of the Hal Bates Plaque. The award was established to honor the memory of Hal Bates, W4OIN (SK). Hal was a charter member of our chapter and its first President. Hal served three years as President then three more as Secretary/Treasurer/Publicity. The award, the most prestigious the Chapter will give, was given to Eli Nannis, K4JMH. Eli, first licensed as W1HGK, has been Director, past President and long time Secretary of our Chapter. Eli, for over 10 years, has been State Editor of the QCWA News column in the Florida Skip publication.

Bart Bridge, W2ZYQ, Secretary

Chapter 37, Harrisburg

At our December 9, 1995, meeting Chapter 37 we only had a turnout of four members: Barney Schmidt, K3LG; George Kabroth, W3PLI; Joe Shuey, NE3H; and Dave Barrows, W8IJ. The light attendance was due to the inch of snow that fell overnight. (Boy, did we ever learn what a BIG snowfall was the following month!) We did not hold an election of officers due to the small attendance but we did enjoy having lunch together.

Chapter Reports, continued



L to R: W3PLI, W8IJ, W3KRM, K3IUY. Photo by K3AM.

On March 9, 1996 Chapter 37 held elections with sixteen members present. The results of our election of officers:

President: Marshall Stenger, W3KRM

Vice President: Irv Sanders, K3IUY

Treasurer: George Kabroth, W3PLI

Secretary: Dave Barrows, W8IJ

Former Chapter 37 member Wayne Leiter, K3AKN, was reported to be a silent key.

After the formal meeting, the group watched the video "What Are These Crazy Sounding Signals Saying?", which covered CW, RTTY, Amtor, and packet modes. Some of us who are CW operators were able to see packet as something other than a pain in the earphones for a change. Lew Elicker, W3ADE, made sure we got the name of that code we send on CW right.

The new menu at the Carlisle Bonanza Family Restaurant seemed to be well received. The group will continue to meet there.

Dave Barrows, W8IJ, Secretary

Chapter 38, San Antonio

We meet at 11:30 AM on the fourth Saturday of each month except in June and November when we meet on the third Saturday and in December when we do not meet. Due to conflicts with other amateur radio activities, the meeting date may occasionally be adjusted. We continue to rotate our meeting place among several local restaurants. For confirmation of the date, time and place of the next meeting, call Jim Wright, K5CDT, at (210) 655-2346. If he is out, leave a message and he'll call you back.

In addition to our regular membership meetings in February, March and April, we were honored on April 13, 1996 to host an informal luncheon and get-together with General Manager Jim Walsh, W7LVN, most of the members of the QCWA Board of Directors and their guests. The Board had just completed its semiannual meeting in San Antonio. Many old acquaintances were renewed and new friendships were made. It was particularly useful for the chapter's officers to learn more about and discuss some of the services provided by the national headquarters.

Jim Wright, K5CDT, Secretary

Chapter 39, Akron Ohio

The meeting of April 25, 1996 was held at Dakota's Grille at noon. There were 16 members and 12 guests present. After lunch and a short intermission the meeting was called to order by President Bob Paul, W8CMO. Then our member Ham Fisher, WA8FQW introduced our program, Mrs. Beechie Simmons, a Minnie Pearl impersonator. She explained that her program started many years ago as entertainment for her high school classmates; after a lapse of some years she revived it., and after a mention in Fran Murphey's column in the Akron Beacon Journal, her entertainment career boomed. She provided a very enjoyable program of jokes, stories, and songs.

After her program the meeting opened for other business. After introductions all around Treasurer Bill Hessler, W8DXT, reported that as of April 24, we had on deposit at First National Bank \$309.55 in the General Fund and \$13.25 in the Oscar Fund, as well as \$12.73 in petty cash. A motion was made to accept the treasurer's report. It was duly seconded and passed. Bill went on to call attention to publications on display including the Journal, the Directory, and several letters related to the election of our national treasurer.

Gene Cooke, W8XL commented that national director John Edel, K8LBZ of Massillon was home from wintering in Florida.

Carl Muller, K8ESX reported news from skeds he keeps with retirees in Florida and California. He said that Martha Green, WB4WPZ, XYL of George Green, WB4WWM has cancer; he also said that Milt Finley, W8LIH had been in Oklahoma, was in California now, and was expected to be home in Tallmidge May 1.

Walt Strawman, WA8PVS announced that our next program would be presented by a financial consultant from Merrill-Lynch. That will be on July 25.

The meeting then adjourned. The usual Kitty collection for Oscar (AMSAT) amounted to \$21.50.

Bill Hessler, Secretary

Chapter 41, Dallas

It is with regret that the Chapter reports that longtime member Al Markwardt, W5PXH, (5993), a dynamic public speaker and veteran regional speaker-evaluator with Toastmasters International, is confined to a convalescent center in Richardson, Texas. Al had a career in commercial electronics and was for a long time a member of the ARRL Technical Advisory Committee.

The Chapter President accompanied by a distinguished trade delegation recently returned from Saudi Arabia where he was the recipient of the prestigious International Mens' Hairpiece Award presented by his personal friend, King Hussein.

The trip was not without incident, however. Outbound, our Chapter pilot, Captain Pierre "Dead Stick" Jones, W5CF, (07198), Pilot Sometimes in Command, at the controls of the chapter's Learjet, "PocketRocket 41", overshot Ascension Island, our scheduled mid-ocean refueling point, later discovering that his computer coordinates for Ascension were actually those of Johannesburg, resulting in an unusually long glide into Saudi for yet another of his career accentuated "quiet" landings normally followed by mumbled flight deck expletives FAA-approved for aviators. Captain Jones explained that the minor glitch in navigation was due to a ketchup overrun on the aeronautical chart from his french fries.



Dallas Chapter President Bob Olney, N5NT, is shown presenting a Certificate of Merit to Gus Howard, W5KM, recognizing his having been licensed for 75 years. Bob is also shown proudly wearing his new Saudi Arabian Genuine Camel's Hair Hairpiece for the occasion, a gift from his personal friend, King Hussein, JY1.

Captain Jones' long and colorful career with Continental Airlines was highlighted by his book famous in aviation circles and with a modicum of passengers, "How to Put a Post-landing Happy Face on the Wrong Airport".

Bob Olney, N5NT, President

Chapter 45, Citrus

Chapter 45 members have received a number of certificates from Headquarters during the past two months. 75-Year Plaques were presented to Merton Crichton, W4PGT and John Morhart, KB4TAG; a 70-Year Certificate to Harold McBirney, KV4AM. 60-Year Certificates to: Charles Bolvin, K4KQ; Charles L.D. Allen, K4AXB and Bruce Wyman, K4OP. A Golden Anniversary Certificate to Lee Aurick, W1SE, signifying 50 years service to Amateur Radio and a Century Club award was made to Paul Turner, W1DLP. These certificates represent a total of 469 years of amateur service.

The certificates are presented at a meeting of the Chapter if possible so that a picture record can be kept of the events. If this is not possible the certificates are mailed to the members, except in the case of the 75-Year Plaque Award. John Morhart, KB4TAG was present at the April 20, 1996 Chapter meeting to receive his plaque and enjoy the well wishes of his fellow members. Merton Crichton, W4PGT was not able to come to the meeting. The plaque was taken to his home by the Chapter Vice-President Bob Cumming, W2BZY. The presentation was made on April 23, 1996, Mert's 90th birthday, during the regular Chapter net at 1930 hours giving members on the net a chance to wish Mert a happy birthday. Members of the family were also present to make this a festive occasion.



Presentation of 75-Year Plaque to Merton Crichton, W4PGT at his home 4-23-1996, his 90th birthday. L to R Bob Cumming, W2BZY Chapter Vice-President, Merton Crichton, W4PGT, on his 90th birthday

Citrus Chapter is eagerly awaiting the arrival and installation of its new repeater. This unit will be a Maggiore model R-1. With this unit we will have an input of 35 watts into the duplexers, completely solid state, the capability of installing an autopatch and a better trouble free signal. The present repeater is a GE unit that is no longer manufactured. Recently it has given us a great many problems. Parts failed that had to be substituted for, and it required constant maintenance to be kept in operation. We expect the new unit the first part of May.

The Citrus Chapter net meets at 1930 hours local Tuesday evening on 147.195 MHz. All are welcome to join in the net if you are in the vicinity. The Chapter holds its monthly meetings at Stacey's Buffet in Altamonte Springs, Florida. The restaurant is at the junction of SR436 and SR434. Any ham in the area is welcome to join, whether a QCWA member or not. Looking forward to having an 'eyeball' with you.

Paul Turner, W1DLP, Secretary



President Jack, K4CEW presenting the 75-Year Plaque to Ike Roach, K4QM

Chapter 48, Treasure Coast

The annual awards dinner-meeting of Chapter 48 was held on Tuesday evening, April 2, 1996, at the Old Towne Cafe in Vero Beach, Florida. Thirty-four members and guests attended and enjoyed a fine meal and the presentation of awards.

Chapter Reports, continued

President Jack Novotny, K3CEW presented the following certificates for service to amateur radio: 60-Years Charles R. Greenlees, K4BHW; William G. Jordon, NF8W; Burtis E. Lawton, W2JLO. 65-Years: Philip Q. Partee, W4ABI and 75-Years to Isaac Roach, W4QM.

In addition, K4QM was presented 75-Year Plaques from Chapter 48 and from QCWA Headquarters.

Chapter 48 officers continue to be: President Jack Novotny, K3CEW; Vice President Charles Greenlees, K4BHW; Sec/Tres Bill Wrocklage, NM1B.

Jack Novotny, K3CEW President



Joan Cushing (XYL of Wendell, K4VN) is recognized by Chapter 49 for her many years of faithful and loyal support. Jud, W4NZJ (President) on left gives plaque to Joan (c) while Gene Blackburn, N4UJ, guest speaker (r) observes.

Chapter 49, Atlanta

The meeting was held at the Family Heritage Buffet on Saturday, April 6, 1996 and started at 12:50 PM, following a fine meal. Some members were absent due to prior commitments, bad weather and illnesses resulting in a reduced number of attendees.

The door prize was a book entitled: "Heathkit" written by Chuck Penson, WA7ZZE. Jeffrey Boshak (Wayne, W5OEV's grandson) won the prize. A better recipient couldn't be found because Jeffrey is presently planning to take his "No-Code" Tech exam very soon.

A Chapter 49 plaque was presented to Joan Cushing (XYL of Wendell, K4VN) recognizing her for the many years of help she has given the Chapter at annual hamfest booths, at regular meetings, and particularly at the Christmas meetings. She was pleasantly surprised as well as Wendell, her OM. It was a well-kept secret.

Chapter 49 continues supporting the Atlanta Sci-Trek Museum by providing chapter volunteers to staff the ham radio exhibit. Also, plans for participating in this year's Atlanta hamfest were carefully discussed.

A \$25 donation was made in memory of "The Old Bull Dog", Mike Wyzga, K4OBD who recently became a Silent Key. Also, Ben Adams, K4EZ, who recently moved to Ohio to be near his family, was voted in as an Honorary Chapter 49 member when his normal dues expire next December, in recognition of his long-time and fine support of Chapter 49.

The meeting ended at 2:05 PM following a fine presentation by Gene Blackburn, N4UJ, concerning the Atlanta Teenage Radio Club, which existed in Atlanta in the mid-fifties until about 1963. It was both interesting and informative and brought back many fine memories of past and present Atlanta amateurs.

Bob Brady, WA4FTM, Sec'y/Tres



Glenn Tronstad, W5MSX, (center) receiving the QCWA Meritorious Award from President Dee Evans, WA5BEU, (right) and Secretary Dub George, WA5BFF (left).

Chapter 51, Tex-La Golden Triangle

Our February meeting was held at Dorothy's Front Porch, a local seafood restaurant. In spite of the cold weather 29 members and guests turned out.

The program was presented by Captain Terry Morton of the Nederland Fire Department. He talked about the communications capabilities of the fire department and chronicled the history of communications systems from the village fire bell and the neighborhood fire alarm box up to present day state-of-the-art 911 systems.

The March meeting was held at Wyatt's Cafeteria in Orange in conjunction with the Orange Hamfest. The group compared flea-market acquisitions and congratulated Phil Richards, K5INE, for winning the Oldest Ham Award at the hamfest.

The April meeting was again held at Dorothy's Front Porch with 24 hams and guests present. Glenn Tronstad, W5MSX, was honored with the QCWA Meritorious Award. Leon Purkey, W9OTZ; Jack Gage, W5ICL; Johnny Carabin, W5GNX; E. Hebert, W5CCT and Glenn Tronstad were presented Century Club certificates. Elmer Huffines, W5HRU; Johnny Carabin and Glenn Tronstad received 55 Year Awards. E. Hebert received a 60 Year Award and Al Long, W5EKE, received a 65 Year Award.

Glenn Tronstad presented a walnut desk clock to Dub George, WA5BFF, in recognition of his having faithfully published our club's newsletter each month for the past five years.

The program was presented by Jefferson County Game Warden Penny Pearson.

Ms. Pearson described her duties, which include overseeing local hunting and fishing regulations, water safety and pollution control. She reviewed recent changes in licensing and game limits with special emphasis to those affecting senior citizens.

Dub George, WA5BFF, Secretary

Chapter 52, Mississippi Gulf Coast

The quarterly meeting of Chapter 52 was held at Quiney's Restaurant at 6:30 PM on March 28, 1996. After placing the QCWA Banner on the wall and getting all the paper work in place along with greeting the members and their families it was time to eat. It was a cafeteria style dinner and everyone ate, as usual, more than we needed. The food and service were excellent.

The purpose of the meeting was to get the chapter started again. There were 10 members present and voting. We have 20 members in the chapter and all were contacted and expressed a desire to get the chapter started again. Of course elections were held. Ernest E. Orman, Jr., W5OXA was elected president and Phil Hunsberger, K9PNT as secretary. We figured that was all we needed. The dues for the chapter were held to the old value of \$2 per year. This was to cover postage of the quarterly newsletter.

During the meeting several things were discussed. We decided to put our QCWA Net on the 10-meter band (28.480 MHz) at 8:00 PM every Thursday evening instead of the listed 2-meter band. We also talked about having a speaker's pool. As section manager for the state I have lots of request from clubs for speakers. With all of us old timers we have lots of good stuff to talk about.

With all the food gone and the business taken care of the meeting was closed at 8 PM until June, 1996.

Ernest E. Orman Jr., W5OXA, President



Seventy Five Year Award. Don Case, KA0ABM being presented award by Ken MC Mahan, our sec/treas.

Chapter 58, Colorado

Our chapter had its quarterly banquet February, 25, 1996 at the Windsor Gardens Inn. The seventy plus members all agreed the food and service were very good.

This was a very special occasion for the chapter as we awarded our first Seventy Five Year Award to Don Case, KA0ABM. Also over a dozen QCWA Century Club Certificates to our members.

I am very sorry I could not attend due to a flu type bug that got to me at the wrong time. Ken, W0TRO our sec/treas. filled in for me as Master of Ceremonies.

Enclosed we have two photographs of the awards being handed out.

Sol Abramowitz, W0WSK, President

Chapter 62, Suwannee

Chapter 62, Suwannee, North Central Florida, held its first meeting of the year on Saturday, February 24, 1996. After the invocation by Chaplain Bob Henry, W4PFQ, lunch and speakers from the Shrine of N. America, our President, Bob Saulpaugh, AG3S, opened the meeting by inaugurating our first 50-50 drawing. This netted our treasury \$10.50. Along with other regular business the Chapter members present agreed in favor of moving our bimonthly meeting day to the 4th Thursday and staying at Ryan's Restaurant.

The meeting was concluded with the presentation of certificate to Addis Henry, W4PFJ, which read "The Officers and Members wish to express their gratitude for your long term service and exemplary dedication to the Chapter as 1985-1990 Secretary/Treasurer and 1995 Secretary". Addis, W4PFJ also serves as net control for our Chapter 62's Saturday net on 3940 at 1400 UTC.

Hal Maider, K2HWW, Secretary

Chapter 63, Central Oklahoma

The second quarter Chapter 63 meeting was held at Ryan's Family Steak House in Oklahoma City on March 30, 1996. The meeting was originally scheduled for the first weekend in April, but due to conflicts with hamfest schedules it was moved up a week. There was a total of 30 members and guests in attendance and a great meal was enjoyed by all.

After introductions were made Norm Wilson, W5FLO, was prepared to give a Meritorious Award to George Bunce, W5DKC, but George had some car trouble enroute to the meeting and did not make his appearance to accept the award.

The award was presented to George at a luncheon the following Monday.

Our guest speaker, Mr. Andy Knight from Merrill Lynch, gave a very interesting presentation. The subject of his talk was Managing your Investments in Retirement.. A question and answer period followed with many members asking questions.

A joint luncheon was held April 13th during the Lawton, Oklahoma hamfest with Chapter 63, Chapter 114, and the Oklahoma DX Association members attending. The luncheon was held at Ryan's Family Steak House in Lawton, Oklahoma with 30 people attending.

At the Lawton hamfest our chapter gained two new chapter members. They are Coy Day, N5OK, and Steve Sweetko, AA4BG. We welcome you both to Chapter 63.

Our next Chapter meeting will be held during Ham Holiday 1996, July 27, 1996.

Jay, W5QVS, President

Chapter Reports, continued



Noel Olmstead, W5URT, was presented a QCWA 75-Year Licensed Amateur Radio Plaque on April 11, 1996 by Jean Carlson, KØZRD, President of El Paso, Chapter 64 and Milly Wise, W5OVH, QCWA Director.

Chapter 64, El Paso

El Paso Chapter 64 has held its regular monthly meetings at Buck's Bar-B-Q at Sanders and Dyer Streets. The noon luncheon gatherings are held on the 3rd Saturdays of each month with the business meeting starting at 12:30 PM. Guests and prospective members are always welcome.

We were saddened by the news of the passing of Bob Stanford, W5JCT, on March 15, 1996. Bob had made his home in Cherokee Village, AR, for the past several years but kept in close touch with his friends in El Paso. He was a life member of Chapter 64 and will be missed by his family and friends. A contribution to the QCWA Scholarship Fund was made by Chapter 64 in his memory.

A Golden Award Certificate recognizing sixty-five years of hamming was presented to Tex Burdick, W5BQU, at our March meeting by Chapter Secretary, Manny Gonzalez, W2BFI.

The winner for Chapter 64 QCWA in the 10-meter "Worked All El Paso" contest was Ed Corliss, K5DIT. Our club was well represented at the annual awards banquet, which our member, Bill Rogers, W5TLU, has organized for many years.

Jean Carlson, KØZRD

Chapter 65, Niagara Frontier

One of our members, Joseph W. Meyer, W2VW, celebrated his 95th birthday last March. Also, Joe has been a radio amateur for over 75 years, first licensed in 1921. He lives in Elmira.

Another old-timer, Dr. Stu Farmer, W2NW, was first licensed in 1923. Stu, our NCS, is recovering from a recent illness.

Our 3900 kHz, 1330L Sunday net is still active. We en-

courage members to report in and keep us posted on your latest goings-on.

Also, please come to our monthly 2nd Saturday 12 noon gatherings at the Flying Tigers restaurant overlooking the Buffalo Airport runway. Excellent food. Wives are welcome. Hear the latest scuttlebutt.

The QCWA QSO Parties had several of our Chapter 65 members participating. Heard were: W2QI, Tom; W2EWT, Bill; W2VEX, Norm and K2FJ, Ken. Scores are shown in this issue of the Journal.

Ken Palmer, K2FJ/ZB2G, Secretary

Chapter 70, QCWA National Capital

The last meeting of QCWA Chapter 70 was held at the Carlingwood Family Restaurant in Ottawa on February 21, 1996. The speaker for the evening was Malcolm Thompson. Mr. Thompson is retired as head of the Time Division of the Department of Physics of the National Research Council of Canada. He has authored a book entitled "The Beginning of the Long Dash". He gave us a most interesting talk on the origins of time-keeping. His talk was concluded by showing slides of some of the time-keeping equipment at the Dominion Observatory in Ottawa, Canada.

Our President, Jack Tennant, VE3AHZ, was pleased to present QCWA year lapel pins to Ken Curry, VE3PF; Mike Rowlands, VA3MR; and Alan Hiles, VE3EEC.

Once again we would like to remind everyone that the weekly Thursday morning breakfasts are still continuing. These are held at 0930 hours at the Embassy West Motor Hotel on Carling Avenue in Ottawa. Any ham visiting Ottawa would be most welcome to attend.

Please take note that QCWA Chapter 70 is hosting the 1996 QCWA International Convention. The Convention will be held at the Citadel Inn in Ottawa, Canada, on October 4-5, 1996. A registration form is included in this issue of the Journal. We are looking forward to seeing you there. Register early and mark it on your calendar.

Keith Bedal, VE3GFI, Sec'y/Treas

Chapter 72, Ft. Worth

The regular monthly meeting of QCWA, Ft. Worth Chapter 72 was held on Saturday February 10th at Spring Creek Barbecue. Twenty eight members and guests were present.

After lunch and a short business meeting a video was shown on the first flight of B-24, B-32, B-36, YB-60, B-58, F-111 & F-16 aircraft. Since a number of our club members helped build and fly these aircraft, the video brought back many wonderful memories and some heartbreaks. These first flights started in 1942 with the B-24 bomber and ended with the F-16 fighter aircraft.

The program for March 9th will be a video of "The Key, A History of the Telegraph/Radio Key" covering early handkeys, semi-automatic & commercial types. This video compliments of the Antique Wireless Association, Sodus, New York.

The meeting was adjourned at 1 PM.

Jack Dye, W5TPU



230 Years of amateur radio are represented in photo above. Certificates were presented as follows: L to R: Jack Dye, W5TPU - 50 Years; Harold Eichenberger, W5HZO - 65 Years; Alan McClellan, W5FOA - 60 Years; Lloyd Reynolds, W5UND - 55 years. Photo courtesy Keith Pugh, W5IU

CHAPTER 75, Central California Coast

Our Spring Luncheon and Program was enjoyed by approximately 40 members and friends of Chapter 75. The luncheon was a serve yourself buffet with BBQ chicken, BBQ tri tip & roast turkey along with salads, veggies & dessert excellent food.

During introductions of those present, we had the pleasure of honoring our newest member Roberta J. Baldwin, WB6DFN, QCWA ID #28087 and the spouses to two silent key members, Mildred Fickas, wife of Merv, SK, W6AGN and Gerry Auth, KD6RLM, wife of Dale Auth, SK, N6BUY.

For our program, Jack & Alexina Tyo entertained those present with a travelogue of Old Shanghai, Canton and other exotic cities in China. He and Alexina spent several weeks traveling in that area taking about 540 slides, and edited them down to about 250 for this show, which played for 45 minutes. Jack combined his Elderhostel program courses with his hobby of photography and his experience as a media teacher to produce this tape slide show. This show included music recorded during the Elderhostel course in China, as well as a running commentary, all taped so that the show is free-standing, using two Kodak projectors with dissolves between the slides.

After the very excellent travelogue and slide show, several door prizes were given away, among them a crate of Santa Maria grown strawberries. All in all a very enjoyable time of fellowship with QCWA friends from Pacific Palisades, & Simi Valley, to the south; to Oakhurst, California in the northeast, all in the central California coast Chapter 75 membership area.

Dave Kreiss, W6ELH, Secretary

Chapter 76, Blue Ridge

The Blue Ridge Chapter meets twice each month on the 2nd and 4th Wednesdays. Our practice is to have a speaker at the first meeting who has a topic unrelated to amateur radio. It broadens our perspectives and we find a large number of our spouses will join us if the subject ISN'T radio! Occasionally, we surprise our ladies as we did in February when our meeting happened to fall on Valentine's Day. Each



L to R: Dr Darwin Appleton, K4RR receives his 75 Year Plaque from Duke Knief, W2YTO, Secretary of the Blue Ridge Chapter 76

lady, present and at home, was remembered with a long-stemmed red rose, compliments of the Chapter (just in case the OM forgot). The second meeting of the month is just a casual meeting to swap lies, brag about DX and our new equipment, and talk ham radio in general.

For our March meeting, Craig Watkins, comptroller for the Raeben Oil Company, gave us an insight into aspects of convenience store management from new innovations like "pay at the pump", to personnel problems and corporate responses during our severe ice storm of a few weeks ago. Our 30 members and guests found the information very enlightening.

The highlight of the March meeting was the presentation of a 75 Year service plaque to Darwin B. Appleton, K4RR, known to radio amateurs as "Doc" and a founding member of Chapter 76. It was interesting to note that this award was only number 64, which relates to just slightly more than one a year since the founding of QCWA! After the presentation, Doc related to us how, as a young boy growing up in Indiana, his interest in radio was piqued by a grade school teacher who spoke of "communicating without wires". She called it "wireless". Doc obtained his first license at 13 years of age with the call 9BPD and continued his interest in science with degrees and a career in chemistry including a coveted PhD. Doc now splits his time between North Carolina and Florida. . . where ever the weather on the golf course is good! It was a pleasure and an honor to have him with us for this presentation.

As spring approaches, we look forward to several members returning from their winter quarters and joining in the Chapter activities once again. Visitors are always welcome at our meetings. If we can be of service to anyone visiting in the area, please don't hesitate to ask. E-Mail via DukeHC@aol.com, Packet via W2YTO@W2YTO.#WNC.NC.USA or just lick a stamp and send a postcard.

Duke Knief, W2YTO, Secretary

Chapter Reports, continued

Chapter 91, Vic Clark

We are saddened to report the passing of some close friends. Our condolences go to John Swafford, W4HU, and his family on the death of John's wife, Ann; to Carl Gray, W4ACM, and his family on the death of Carl's wife, Zianna; and to the family of our late member Bob Edsal, WM5C. All who knew them truly will miss these extraordinary people.

March, 1996, Meeting--President Tony Stalls (K4KYO) welcomed 25 people to this meeting. VP Frank Haynes (W4NUA) noted that 10 of those present also are members of the Vienna Wireless Association.

Tony introduced a proposal to make amendments to our Constitution and By-Laws. These amendments are intended to reflect evolutionary changes the chapter has made over several years. A vote on these amendments is scheduled for our May meeting.

Secretary Dick Rucker (KM4ML) reported that the chapter has added 13 new members already this first quarter! In addition, our newsletter and weekly on-the-air net have attracted five additional guests (who do not yet qualify for membership) who have made cash donations to the chapter.

Brad Flippen (K6HPR) distributed copies of a letter he received from the ARRL concerning their recent Petition to the FCC for Rulemaking to strengthen PRB-1 and to extend it to cover covenants. Discussion followed. Considering the implications of this, expect MUCH more discussion!

VP Frank introduced our guest speaker, Mike Martin (N3RWF), who is an interference investigator for PEPCO. Mike noted that only about 20% of the RFI cases he investigates prove to be caused by PEPCO's equipment. Most are caused by appliances in the home. The talk was quite informative and very well received.

Bill Mills (KC5PF) won \$22.50 in the 50-50 drawing, and announced that this windfall was the exact amount he needed to complete his move to Milledgeville, GA. Bon voyage, Bill--we'll miss you. Keep in touch.

Informal meetings--Our alternate-month informal meetings are proving to be quite popular and continue to draw an enthusiastic crowd. These meetings are not business meetings and have no format--just informal chatting. These rag-chew gatherings are ideal for show-and-tell activities, for getting accurate answers to technical questions, and for the general exchange of "war stories." They indeed are a valuable supplement to the business meetings and definitely serve to increase interest in the chapter.

Jim Wilcox, K4JAP, Corresponding Secretary

Chapter 100, East Georgia

Greetings from Chapter 100. We held our April meeting with dinner at a seafood restaurant. We discussed the upcoming elections. Then we had the best part of the meeting. I presented a 50-Year Certificate to W4ISS, a 55-Year Certificate to KJ4DW and a 60-Year Certificate to W4TSX. It was a short meeting and we closed with well wishes to all.

Send me the first year W4TSX was in a call book and W2IWI was in a call book, 1933?

Andy Anderson, K4PSW



L-R Frank Simpson, W4ISS - 50 Yr; George Myrick, KJ4DW - 55 Yr; Alden Van Poppering, W4TSX - 60 Yr; and President Don Anderson, K4PSW.

Chapter 105, Middle Tennessee

The Middle Tennessee Chapter 105 held its quarterly meeting on February 10, 1996. The members pictured below were in attendance.

The 1996 officers were installed, and the new president immediately authorized a raise for all officers.

Topics of discussion: applying for a Chapter Call Sign; Scholarship fund, the local net activity and ways to attract new members. Action on all these topics was deferred until the May meeting.

If any of the other Tennessee Chapters are interested in having a joint state-wide meeting sometime in the future, please contact me.

O.D. Keaton, WA4GLS, Secretary



**Back Row, L to R: Wayne Thomas, K9VOA; Milton Fanning, WA4GZZ; Tom Sigman, WB4GLB; Charlie Wolf, AC4AW; Frank Atchley, WB4DXW; Eddie Justice, WA4JJY; Murray Jones, K4ANH; and Don Perry, K4EZS
Front Row, L to R: George England, K4UMW; Wylodean England, WA4HKU; Bob Gibson, K4CTT; O.D. Keaton, WA4GLS; Jim Brown, KJ4CF; and Marshall Kingery, K4ER.**

Chapter 112, Yankee

April is the month for the Yankee Chapter's annual meeting and election of officers. The meeting was held at Periwinkles Pub and Restaurant in North Oxford, Massachusetts, on April 20. Twenty-two members and friends attended. After lunch, the business meeting started with the Secretary's report and Treasurer's report which were read and approved. Gladys Chase, W1VPE, presented a report on the April director's meeting. New business included a motion to send a contribution to the scholarship fund in memory of Silent Key Milton Chaffee, W1EFW. Election of officers followed.

Serving for 1996-1997 are: President Don Lester, W1TSN; Vice-President Ed Bosselman, W1DO; Secretary/Treasurer Chuck Walbridge, K1IGD; Activity Director Chet Tammany, K1LII; and Net Control Al Fruzzetti, K1JJJ. Joe Santangelo, N1JS continues as Sunshine Fund Director.

Yankee Chapter has recognized three members with 60-Year Awards since the first of the year. The first was Walter Clark, W1JCI. Walter was presented with his certificate at a February meeting, which replaced the Christmas meeting cancelled twice due to snow storms. At the annual meeting, two more members received their awards: Don Brown, W1JSM and Earl Drake, W1KBV. Congratulation to all three of these members!

Coming this summer is the New England QCWA picnic scheduled for July 20. Watch for details and map in the next chapter newsletter.

Chuck Walbridge, K1IGD, Secretary/Treasurer

Chapter 126, Piedmont

The first meeting of 1996 was held on March 16, 1996, in the Best Foods Restaurant in Siler City, NC. There were 22 members and guests present. As is the custom of this Chapter, the officers elected at the December 1995 meeting were informally installed by the outgoing president. Thus, President Walter Geison, AB4DQ, stated the new officers to be as follows, and turned over the gavel to the new president.

President, William Hutchin, KM4UO
Vice President, William Wray, K4BPH
Treasurer, Charles Brydges, W4WXZ
Secretary, Henry Elwell, N4UH

Each member present introduced himself and his guests. During that introduction it was brought out that Weldon Fields, W4AJT and his wife Mickey, W4HVZ, were celebrating their 66th wedding anniversary. That brought forth the fact that Edward Naher, K8YFR, and his wife were celebrating their 50th anniversary, Chuck Brydges, W4WXZ was celebrating his 35th, and Dick Genaille, W4UW was celebrating his third week anniversary. Most of us knew it was Dick's second marriage, so were not surprised at his short anniversary period.

President Hutchins read a letter from Doris Rising thanking us for the donation we had sent her in December, 1995. Her husband, Ray, K0LWJ was a member of the Piedmont Chapter for four years before going to Columbia, South America, for missionary work. Ray is a member of the Jungle Aircraft And Radio Service (JAARS) of Waxhaw, NC. JAARS is a subsidiary of the Wycliff Bible Translators who go all over the world inventing primitive languages so they may be used to print bibles, and to teach native people to read and write in that language. Ray had been installing communication systems in Columbia when he was captured by persons unknown

several years ago. Mrs. Rising writes, "There has been recent indication that Ray is alive and in good health. At the end of November, information was received through the captors that we judge could only have come from Ray. All reasonable proposals for his release have not been accepted. Please pray for a change in this condition." Ray's health and return are in our Chapter's prayers.

The next meeting of the Chapter will be on June 15th, and will be a picnic meeting either at Baden Lake, NC, or Morrow Mountain, near Albemarle, NC.

Our weekly Sunday morning get-togethers at 8:45 AM on 3935 kHz are showing increased activity. All members are urged to join the group for a period of fellowship and information on current activities of the Chapter.

Henry G. Elwell Jr., N4UH



Front Row, L to R: Woodrow Huddleston, K4SCL -09354, 60 Year Service Award; Fr. L. Charles Tardiff, W3EHG -18369, Meritorious Service Award; 1995 Pelican Chapter; Adriel H. Spaulding, W4PUZ -7733, 75 Year Service Award; H. Fred Frick, W4BN -1519, 65 Year Service Award; Last on front row; Harry Bloechle, K4WP -8761, 65 Year Service Award.

Back Row, L to R: James J. Woulfe, W2NTF -26360, 55 Year Service Award; Stark Totman, W4YB -9095, 70 Year Service Award; Robert F. Klieber, KR8G -25461, 60 Year Service Award; Jack N. Cook, VE3AMP -25476, 55 Year Service Award; Last on back row; Harold Fox, W3AA -16855, 60 Year Service Award.

Chapter 128 Pelican

The Pelican Chapter 128 of St. Petersburg, Florida had a great day on March 20th. That was the day that the Chapter celebrated 565 years of service to amateur radio. At that meeting all awards were brought up to date, but with 9 members of the Pelican Chapter being specially honored for their long and faithful service to the fraternity. Those who received the awards were: L. Charles Tardiff, W3EHG, Meritorious Service Award for 1995; 55 Years Service Awards: Jack Cook, VE3AMP and James J. Woulfe, W2NTF; 60 Years Ser-

Chapter Reports, continued

vice Award: Harold Fox, W3AA; Woodrow Huddleston, K4SCL and Robert F. Klieber, KR8G. 65 Year Service Award: Harry Bloechle, K4WP and H. Fred Frick, W4BN. A 70 Year Service Award was presented to Stark Totman, W4YB. Ariel "Red" Spaulding, W4PUZ was presented his 75 Year Service Award Plaque. It was truly a great day for the Pelicans. The day prior to the meeting on March 19th, the Pelican Chapter Treasurer, W4PCO, traveled to Bradenton, Florida, to present a 75 Year Service Award Plaque to Creston Donbar, K4YL, who due to illness was unable to attend the festive gathering in St. Petersburg.

What the awards meeting has done for the Pelican Chapter is to bring members to a Chapter meeting that have long been absent from our gatherings. We had two members who have not attended a meeting for several years, and most rewarding of all was a additional two members who have regularly paid their Chapter dues, but who have never attended a Pelican Chapter meeting.

At the Awards Meeting there were 41 members and guest, three National Officers, the Treasurer and two Directors, and two appointed persons, the Taping Director and Activity Manager.

The Awards Meeting was considered a success and plans are being made to do it again in 1997.

Congratulations to all on 565 Years of Service.

J. Frederick Strom, K9BSL, Secretary



Len Yerger, K6SS receives his 65-Year Certificate from President Troy Wideman, AA6J. Photo by W6JOB

Chapter 130, Inland Empire

The Inland Empire Chapter 130 held its spring meeting at the home of K6KJK in the city of Anaheim, California. Twenty-one people were in attendance. An election of officers was held with: Phil Sedgwick, N6CMF, President; Al Hill, W6JQB, Secretary; Troy Wideman, AA6J, Treasurer.

A 50-Year certificate was presented to Hugh Graham, AG6X

and a 65-Year certificate was presented to Len Yerger, K6SS. Len Yerger, K6SS then presented Troy Wideman, AA6J a Certificate of Meritorious Service to the Chapter and QCWA.

A Vice-president and Historian will be elected at a later date when the duties of both offices are redefined and the constitution modified to reflect these new duties. The next meeting of the chapter will be held this summer as a picnic. Date and location to be announced later.

Several of the members participated in the QCWA QSO Party. Several good scores were reported. The chapter is expanding and participation in the Chapter Net is also on the increase.

Unsigned



L to R: Allan Budden, W8WDA; John Hewitt, K8DHN

Chapter 135 Mid-Michigan

Following a monthly breakfast meeting of the chapter, Dan Davis, W8LUX, received the Front Cover Award for contributing the best article for the August issue of *QST*. The award was presented by George Race, WB8BGY, Director of the Great Lakes Division. In addition to free-lance writing, Dan edits "Wings", the publication of the Air Force Flyers Club, an organization of present and past members of military flyers who are also ham operators. He is also employed by (his full time job) Michigan State University in its School of Journalism. Check your August, 1995 *QST* for the article, "Amateur Radio and World War II".

We made sure that Director Race left with an application for membership in QCWA.

During our annual meeting over the holidays, outgoing president Allan Budden, W8WDA presented the secretary/treasurer John Hewitt, K8DHN with a Meritorious Award for 10 years of service to the chapter.

John E. Hewitt, K8DHN, Secretary

Chapter 137, Shenandoah Valley

Meetings: Third Wednesday of odd-numbered months, at 12:30 PM; Carper's Valley Golf Club, 1401 Millwood Pike (Route 50 East), Winchester, VA; reservations requested. Information: Perry F. Crabill, Jr., W3HQX (540) 662-7526 Mailing Address: 225 Milam Dr., Winchester, VA 22602.

Seventeen members and guests attended the meeting of QCWA Chapter 137 at Carper's Valley Golf Club on route 50 east of Winchester, Virginia on Wednesday, March 20, 1996. A social period at 12:30 PM was followed by a buffet luncheon at 1:00 PM. The business meeting was opened by President Walter Johnson, WA4HVV, at 1:30. Secretary/Treasurer Perry Crabill, W3HQX, read the minutes of the January meeting, which were approved as read. Perry reported a balance of \$172.40 as of March 9.

John Kanode, N4MM, reported on ARRL and FCC happenings. Virginia has a new SCM; Assistant SCM Chris Wright, KD4TZN, from Rocky Mount, has been appointed to replace Ted Dingler, N4KSO, who resigned. John has been busy with DXCC matters. The Roanoke Division Newsletter is on its way to members.

The FCC has issued Notice of Inquiry 96-17 "In the Matter of Improving Commission Processes". This is not significant changes in administration of this service, along with others. Certain functions like assigning call signs and issuing licenses could be privatized.

Tony Stalls, K4KYO, called attention to the ARRL petition assigned RM-8763 requesting the FCC to extend the scope of PRB-1 regarding antenna installations. He had also heard that amateur frequencies may be put up for auction. John said that ARRL is watching this possibility very closely.

After some discussion of RM-8763, Charlie Anderson moved that the Chapter go on record with the FCC in support of the ARRL petition. This was seconded by Guy Black, and the motion was passed without dissent. Secretary/Treasurer Perry Crabill was instructed to forward a letter to this effect to the Commission immediately, because the deadline for comments was March 22.

There was no old business. Under new business, Walt Johnson said that the Chapter needs a history, none exists at present. Perry Crabill said that he could start such a document, using the minutes from previous years, but would need additional information from charter members.

Perry also passed around letters from and about candidates for QCWA National Treasurer, and the increase of QCWA National dues to become effective April 1, 1996. He also called attention to the comet watch to be held at Lord Fairfax Community College later in the week, when the Shenandoah Astronomical Society would set up telescopes for viewing Comet Hyakutake.

President Walter Johnson announced that he wished to select a member for the Chapter's Distinguished Service Award, and needed written suggestions from everyone suggesting candidates.

Perry Crabill reported that Neill Woods, W4LOG, was absent because of bronchitis. Lew Danes, W3FZT, said that Nat De Gutz, W2CXB, past president of the Chapter, was still in the Potomac Valley Nursing Home, 1235 Potomac Valley Rd., Rockville, MD 20850. Nat has had angioplasty, and suffered a stroke last Fall. His two daughters in Bethesda visit him weekly, but he is despondent and shows little interest in what is going on.

There was no speaker for this meeting; instead each member was asked to talk about his early days as a ham, with emphasis on his first rig, beginning with those who had been licensed the longest.

John Swafford was preparing to attend the QCWA Board meetings, and wanted to know of any problems members would like discussed. Tony Stalls reminded the group that Jack Kelleher, John Swafford, and he were running for office in the National QCWA and would appreciate their votes.

The meeting was adjourned at 3:10 PM with the announcement that the next meeting would be held on Wednesday, May 15.

Perry Carbill, W3HQX, Secretary/Treasurer

Chapter 138, Central New Jersey

The quarterly meeting of Chapter 138 was held at Howard Johnson's restaurant in Middletown, NJ on February 20, 1996. After lunch, the meeting was opened with a pledge to the flag and a short invocation. This was followed by an introduction of all 20 members present. A special introduction was made of new member Charles Moizeau, W2SH, from Millington, NJ. The secretary's and treasurer's reports were presented and approved.

The Health and Welfare committee reported that: George Miller, K2FD is home from the hospital after his stroke of last December and he is walking and talking, but still doesn't have use of his left arm; Lillian Gunther, W2IGF is in the hospital in Staten Island with osteoporosis and heart problems and OM Frank, W2ALS is visiting her daily, but she is not doing well; John Hollywood, W1SK remains at the convalescent center in Red Bank and welcomes visitors; and John Mulhern, N2GOF remains at home taking care of his XYL Margaret and himself. Please keep all of these people in your prayers.

A letter was received and read to the members from Leland Smith, W5KL, National Chairman of the QCWA Memorial Scholarship Fund Committee concerning the cash grant and scholarship available to qualified amateurs. Information will be sent to all members of Chapter 138 in the next Chapter Bulletin.

Walter Prang, W2HOZ reported receiving a letter from Jerry Havel, W2RRX in Springfield, MO. Jerry and his XYL, Doris are doing fine and enjoying the low taxes out there. When the weather gets better, Jerry expects to erect a HF antenna and hopes to work some of us.

Joe Dreifuss, WA2GSY is resigning as Vice President since he has accepted a new job in California. We are looking for a candidate to fill Joe's unexpired term.

The QCWA CW QSO Party was held on February 10-11 with known Chapter 138 participation by K2IC, W2OD, and AB2N. The SSB QSO Party is coming March 9-10 and all members are encouraged to participate.

The Annual Awards Banquet will be held Sunday, April 28 at the elegant Ford Monmouth Officer's club. The menu is the same as last year as is the price, kept to \$20. This is a fun meeting that is generally well attended. Diamond Jubilee, Elmer and other awards are presented to deserving members. Tickets are available from chapter officers and the banquet committee.

The Name Change Committee (W2DME, W2KCO and W2HOZ) made a report recommending that we change our name to the Marconi Chapter to honor Guglielmo Marconi,

Chapter Reports, continued

who did some of his early work in our chapter area at Twin Lights and the Camp Evens near Shark River. It was moved and seconded that we change the name of the Central New Jersey Chapter 138 to the Marconi Chapter 138. In discussing the motion, it was pointed out that the name cannot be changed without changing the Constitution and By-laws first, and the latter will require publishing the changes and announcing the meeting at which they will be voted upon. The motion was carried by a majority vote of those present. Publication, notification and vote by the general membership is planned for later this year.

Bernie Ricciardi, WB2EJT, Secretary

Bob Buus, W2OD, President

Chapter 142, Northwest Ohio

Northwest Ohio Chapter 142 has not sent a chapter report for the Journal recently. However, we are continuing to have regular breakfast meetings at the 4-E Ranch House Restaurant in Toledo. Meetings are called to order at 9 AM on the 1st Saturday each month. Most arrive between 8 and 8:30 to get breakfast served and eaten before 9 AM. We currently have 45 on the roster and the usual meeting attendance runs between 20 and 25 members and guests.

All QCWA members and those eligible for membership are welcome to attend as guests. No pressure, but we offer the opportunity to join the QCWA and Chapter 142. We even encourage Southeast Michigan residents to come across the line into Buckeye territory. . .our current President lives in Wolverine land!

Our fine Chapter 142 newsletter is unfortunately no longer being published. As editor, Ken Wright, W8NOT had devoted a great deal of time and effort in bringing it to national award status. (Ref: Fall '94 Journal, p.115 General Manager's Message). Regrettably, he had to resign the position for personal reasons and so far we have been unable to find a replacement. Thus, we now have a "Wonderful opportunity for somebody!"

At the February '96 meeting, Bob Taylor, W8CBA told us of an experience he had in January. He was approached by Steffen and Andreas, two young hams from East Germany, who are studying electrical engineering at the University of Toledo. Steffen, DG1HVV from Nordhausen, and "Adi", DL1HRC from Leuna, asked if Bob could get them in contact with DL1HSM, the Leuna radio club station. Bob agreed but they heard nothing on the first try. They tried again about a week later without success, but WB4OTB (from Germany, now a US citizen) heard them calling. He made contact and suggested they try an earlier time when 20 to Europe was open. They rescheduled by telephone and called again 2 days later. This time they did not hear the Leuna club but DL7VWH came on to say that he could copy both stations very well and could relay. So, with his help the students had a great time with messages passing both ways through him. Then DL3DWF in Hoyerswerda and DL6WC in Frankfurt joined so the students had QSOs with them also and they had a ball! Bob understood none of what they were saying in German but enjoyed having made it possible. He and his wife now have a standing invitation to visit Steffen and Andreas and their families any time they might get to Germany.

Any QCWA DXers who live in a college town might con-

sider approaching the science departments to see if there are any foreign ham students who would also like to make contact with the homeland. Worth considering!

KG Bullock, W8YDJ

Chapter 143, North Colorado

In our last report we mentioned having discovered the wonderful benefits of INTERNET E-MAIL as an adjunct to the constantly-expanding capabilities of amateur radio. In particular we told of keeping in touch with chapter members who flee to southern climes to escape the often exaggerated Colorado winters. Most take some kind of 2-meter radios but a surprising, and increasing, number are now taking computers. That way, they can maintain contact with family and friends who might not be hams . . . for some reason!

One thing led to another and we decided to try E-MAIL as a medium for disseminating chapter announcements -- newsletters. We discovered that the largest chapter expense is mailing. We send out an event announcement, and it's 32 cents for postage, a couple of cents for envelopes and labels, maybe a dime for duplicating -- to say nothing of the burden of folding, licking, transporting. And, if replies are solicited, it's another indirect cost for members to respond. The cost approaches a dollar a mailing, and with a mailing list of about 80, it isn't insignificant!

E-Mail to the rescue? This month we mailed to the regular list, as usual, but we E-Mailed to those for whom we had E-Mail addresses. The response was surprisingly positive. Sending E-Mail via the INTERNET involves virtually no cost, once a person has the appropriate equipment -- which many hams do! Besides, travelers can access "the system" from anywhere and get their "mail" on the fly. Replies are quick and easy -- and cost-free. We also get information as to where our "wanderers" are wandering.

We solicit suggestions from other chapters and we'll report our successes and failures. The INTERNET in no way threatens ham radio, but it's there and we might as well use it . . . too!

On a more sombre note, the Chapter mourns the loss of its vice president, Richard Stevens, KA0SGS, who died of cancer last month. Richard was the chapter joke teller and his contributions to the mood and enjoyment of chapter get-togethers will be missed.

The chapter's February luncheon, one of four that constitute the chapter's annual activity calendar, featured a fellow ham, Roz Brown, W0NBG, who plays and sings western, country, and traditional music. He donated his time, but attendees agreed unanimously that his contribution to the event was priceless. Roz entertains at one of Colorado's premier historic eating/drinking establishments, The Buckhorn Exchange Restaurant in Denver.

The luncheon wasn't bad either! It featured incredible food in the tradition of one of northern Colorado's most popular restaurants, Jay's American Bistro. In this case, the word Bistro means "different." We ate delicacies we couldn't even identify -- all delicious! The dishes were delightfully served and the atmosphere was extraordinary!

Come to think of it, how appropriate for an assembly of mature amateur radio operators that served to prove the alternate definition of QCWA: Quality Comes With Age!

Unsigned

Chapter 148, Hernando

On April 3rd we had a combination get-together, celebrating Bev and John's upcoming Golden Wedding Anniversary and our usual "Bye Bye Snow Bird" picnic. There were 48 members and guests present. The food was outstanding. The weather was perfect and a wonderful time was had by all.

Birthdays for May are Chad, W3IKD; Linwood, WA4SPR; Rita, XYL of Frank, W1YTB; Leona, KA4WPL; and Phil, W4ABI.

Anniversaries for May are Edgar, W2RPZ and Virginia; and Don, K4CMJ and Anna. Best wishes to all of the above.

On April 17 we had our regular meeting and there were 28 in attendance. Our newest member, Joe Marsh was introduced. Many of our Snow Birds have departed and a lot more will be departing within the next two weeks. We wish them all a safe flight, a very fine summer and a safe return in the fall. Bob and I leave next week and hope everyone has a fine summer.

Our next meeting will be at Pier 688 on Wednesday May 15th at 11:30. During the summer there will be informal lunches.

Eunice Gordon, W1UKR, Sec'y/Editor

Chapter 149, Nutmeg

Thanks to the good work of Activities/Net Manager, Cal Bennett, W1KHL, our chapter holds its quarterly luncheon meetings at various restaurants throughout the state of Connecticut. This popular concept permits geographical exploration, sampling the culinary talents of different chefs and meeting an expanded range of members. The meeting of February 10, 1996 was held at the Manor Inn in the town of Southington, village of Milldale. Seventy members and guests were present for an outstanding meeting accompanied by excellent food and service.

President Bill Kenefick, AD11, conducted the business meeting. Reports by Secretary Don Steele, W1NFG and Treasurer Milt Chaffee, W1EFW (sadly, Milt passed away a month later on April 8th) were accepted. Bill expressed condolences to Gus Asor, W1JAK and John Huntoon, W1RW, on the recent loss of their YF's.

The QCWA Presidential Award from Lew McCoy was presented to George Hart, W1NJM, for his many years of devoted service and significant contributions to amateur radio. The presentation was made by National Director Milt Chaffee, W1EFW, who cited George's high speed code test program at W1AW.

The program, arranged by Al Cohen, W1FXQ, was a presentation by Detective Jeanine Candels and Lt. Fred Cassiopo of the Newington Police Department. Detective Candels spoke on automobile theft and carjacking. She made us aware of the techniques used by carjackers and thieves and what we as individuals can do to help prevent such crimes. An interesting video was shown of an actor posing as a car thief and the various methods he employed. This topic was of special interest to the media because of two recent carjacking incidents in Connecticut. Accordingly, Hartford TV station, WVIT Channel 30, sent a camera crew to cover this program. The Nutmeg Chapter received unexpected publicity that evening on the six o'clock news. The film shown of Detective Candels included the officers at the head table with the QCWA banner prominently displayed in the background.

Wayne Shaffer, W3QAN



QCWA General Manager Jim Walsh, W7LVN presenting a 50-Year Award to Gene Pentecost, KG6EX, at the March 1996 Annual Spring Luncheon while club Prez Don, W6EEN, looks on.

Chapter 154, Leo Meyerson Greater Palm Springs

Bob Rose, K6KRZ, one of the Coachella Valley's most active hams, has taken over the chapter presidency, held for the past five years by Don Doughty, W6EEN. Norm Friedman, W6ORD, a DX Honor Roll member, was named secretary and Harvey Newman, WB6JTN, was elected treasurer. Sid Rose, W9VKC, continues as net control of the well-known Tram repeater regular QCA Thursday night net. Doughty was honored by the chapter for his service to ham radio and the chapter with a plaque presented by the new president, and another plaque was given to XYL Phylis Doughty for her services to the club over the half-decade. Phylis regularly played hostess to ham gatherings at the Doughty estate, in the shadow of Don's Bermuda Dunes antenna farm.

Bob Rose told the May meeting of the club held in Desert Hot Springs that the 11th Annual Spring Luncheon held in March at the Erawan Hotel in Indian Wells was another huge success. More than 150 people took part in the two day sessions, which included seminars led by Lew McCoy, W1ICP, and Ron Luttringer, K6XC. Eighty-one of the participants also enjoyed dinner and entertainment at the Mario's LaQuinta Garden Cafe on the night preceding the luncheon. W6AQ, was the featured speaker, and his talk called "I'll Take Romance", was the hit of the successful program. Rose announced that the chapter contributed to the QCWA scholarship fund in the amount of \$500 from the weekend's profits.

The chapter has been named host of the QCWA 1998 Convention, and Doughty will be the general chairman of the event. Plans for the convention are already underway.

The chapter's final meeting of the season was held in May, and it featured one of the problems that plague most of the Valley's hams who live in gated communities and condominium situations. Dave Larus, a new ham, but a veteran of 18 years with the local telephone company presented a discussion on RFI, particularly of the telephone variety. He drew an avid audience for his presentation.

Sid Rose, W9VKC

Chapter Reports, continued



Bill Komistra, W9OVZ, and President Ken Knoff, N9NBC, admire the Anniversary Cake.

Chapter 162, Southeast Wisconsin

The Chapter meets monthly, alternating business meetings with social activities. The February meeting was the annual Valentines Day affair held at the Summit Restaurant in Racine at 12:30 PM, Sunday February 18 and attended by 25 members, guests and wives. After a fine cafeteria style brunch a short business meeting resulted in selection of a QSL card design for Chapter QSLs; selection of a nominee for the first Olie Fox Award; and volunteers to work on the coming National QCWA election vote count. Flowers used for table centerpieces were distributed to the ladies present when the meeting adjourned.

The March business meeting was held at the Southport Restaurant in Kenosha. The Chapter QSL cards had been received and were displayed. It was decided that the chapter would attempt to take part in the ARRL 1996 Field Day activities with equipment set up at Decision Farm, home of member Larry McCalvy, WA9JMO and XYL Wendy, N9PAC. It was announced that the first recipient of the Chapter's Olie Fox Award was Bob Jensen, WØWLN, who received the award at the annual Southeast Wisconsin Ham Banquet held in Racine on March 2, 1996. After the meeting a very interesting presentation on QRP operation was made by member Bill Komistra, W9OVZ.

The annual Chapter Anniversary Party was held at 1:00 PM Sunday April 14 at the Meadows Restaurant in Franksville. Following an excellent meal and special anniversary cake dessert, President Ken Knoff, N9NBC introduced new member George Pagels, K9AAL. The President also presented a QCWA certificate marking 55 Years as an Amateur to member Steve Bellgraph, K9ZL.

The Chapter has been selected to count the votes for the

upcoming QCWA election. A post office box has been rented, equipment received from QCWA headquarters, and volunteers for the various jobs connected with the vote count have been designated. This will be the second time the Chapter has done the vote count, the first being in 1992.

Robert N. Jensen, WØWLN, Secretary/Treasurer

Chapter 166, Colonial

Chapter 166 continues to be an active group with its regular breakfast meetings and luncheon meetings. The board of Directors meeting produced some new ideas for future programs that would be of interest to both ladies and the men. We also firmed up the picnic plans for the July 31st picnic at W3FEA's on the hill. Caterers have been contacted and a fine menu has been set up. All QCWA members and friends are invited to attend. Contact Woody Sbei, W3TTW for reservations.

A number of our members are eligible for QCWA Gold Certificates and plans are underway to procure them from headquarters.

The chapter was delighted to hear that Walter Brink, W3WPY will again run for Director. We should point out that Barry Wiseman, N6CSW, deserves kudos for the fine Journal that comes to the members.

Most of the members are tired of old man winter, looking forward to spring and summer and getting to the various hamfests etc. . .

Charlie Stouth, W3ZPP

Chapter 168, Oregon Trail

On Saturday, April 13, 1996 the Chapter held its first luncheon/meeting of the year. The place was the Old Country Buffet Restaurant in Portland. It was very well attended, the best ever, with 19 members and 6 guests present.

Following the luncheon, a short business was held with Chapter President Bill Payne, K7TDO, presiding. Self introductions were given by all attending. Under new business it was moved, seconded and voted upon that our Chapter hold the annual election of officers at our October meetings. Then, our newly elected could assume their duties on January 1 of each year. The motion carried.

It was also moved, seconded and carried that our Chapter make a contribution to the QCWA Memorial Scholarship Fund honoring our Silent Key, Willard Willingham, W7PEW of Aloha, OR.

A treasurer report was given at the close of business.

Door prizes donated by our President were given to the lucky ticket holders. The lucky ones were: Hal Potter, K7RQ - a set of headphones; Neil McKie, WA6KLA - a backpack; and George Wise, W7MB - a mini coffee brewer.

The Chapter welcomes our recent new member in attendance. He is Dick Pooley, W7HUY, of Brush Prairie, WA.

Fred Behrman, K7LNS, Secretary/Treasurer

Chapter 169 Sacramento Valley

Our monthly meetings are held on the second Wednesday of each month at Lyon's Restaurant, 1000 Howe Avenue, Sacramento starting at 7:30 AM and ending at 9:30

Chapter Reports, continued



Bill Hendrick, NS6D, Sec'y/Treas. (left) receives Meritorius Service Award from President Paul Wolf, W6RLP (right). QCWA Chapter 169, Sacramento Valley, Wednesday, Feb. 14, 1996.

AM, plus or minus. We eat breakfast first, followed at 8 AM by the business meeting, after which there is a speaker and/or a program of interest. Then a prize raffle is held.

At our December 1995 meeting we heard Gordon Fuller, a retired IBM engineer, give a talk on Amateur Radio Satellites. In January 1996 we heard Jean Baker from ECONCO, a local company that rebuilds high-powered transmitting-type vacuum tubes. In February, we heard Bob Luca, an official in the Justice Department, who spoke on computer crime. At our March meeting, Carl Schultz, WF6J a local ham, spoke on the Computer Internet. We always have a full crowd at our interesting meetings.

At our February and March 1996 meetings, we presented a Meritorius Service Award to Bill Hendrick NS6D, who has been Secretary/Treasurer of our Chapter ever since it was founded 7 years ago. Also, we presented Anniversary Service Awards to the following "old timer" amateurs in our Chapter: Joe Strazzarino, W6BWZ 75 years; Frank Jacobs W2BSL and Harold Estep W6BEU, 70 years; 60 years: Don Johnson, W6AAQ; Clarence Cooms, W6IK; Marion Henson, W6NKR; Norm Brooks, K6FO; Jim Allen, W6IQH; and Howard Turnidge, W6DEX. In addition, 55-year Certificates were presented to: Tom York, N6DFL; Peter Onnigian, W6QEU; Clif Adams, K6ON; Charles Haight, N6NMM; Carl Harvey, W6OOR; and Paul Wolf, W6RLP. And last but not least was Bill Easton, W6UYD, who received a 50-year award.

All radio amateurs are cordially invited to attend our meetings. Please phone me or our Secretary, Bill Hendrick, NS6D at (916) 489-8112 or (916) 925-5858 for more info and/or instructions on how to get there. Hope 2 C U soon.

Paul Wolf, W6RLP, President

Chapter 181, Hudson Valley

The first Chapter meeting of the year, the Annual Meeting, held on April 20, was attended by 31 members and guests. It was held at the Amalfi Restaurant in Briarcliff



Members of the Hudson Valley Chapter who received Gold Certificates include (standing): Julian Heilbroner, WD2ADT; Dick O'Brien, NJ2J; Julian Hirsch, W2KFB; Bill Hellman, NA2M; Charles Hellman, W2RP; and seated: Bill McCarren, K2LV; and Harry Moore, W2JQS. Dick Robinson, W2OZA, President had presented the awards. Photo courtesy Sy Yuter, W2NBT

Manor, NY. The program followed a gourmet Italian luncheon.

Member Ted Schimenti, K2LBJ, gave an interesting account of his and his XYL's recent round the world cruise on which he kept almost daily contact with several of us here at home by a ham radio installation in his cabin. He was surprised how well he was able to communicate, many times by relay through Jim Allen, W6IQH (QCWA #13,337) or through an Australian ham, VK4DHF, who met his ship in Cairns, Australia. Ted's trip came to an abrupt end when the ship, the "Royal Viking Sun" struck a coral reef in the Red Sea and flooded out the engine room. He and the other passengers were flown home and thus he was able to attend this Chapter meeting.

Member Paul Vydareny, WB2VUK, reported on recent events which, among other things, put him into a new job and in the position of Director, ARRL Hudson Division. Paul commented on views of ham radio currently held by ARRL people and by the FCC. One recent statement by the FCC Chairman of considerable interest is that hams will in no way be required to "bid" for our frequencies. He noted that concern is being expressed on the degree to which operating style and language have deteriorated in recent years. There is a need for better methods of getting information out to new hams and for getting them more attention in local clubs so they will learn how things should be done. Paul gave a most interesting talk.

The Chapter 181 Officers and Directors were re-elected for an additional term. Dick Robinson, W2OZA, President; Julian Heilbroner, WD2ADT, VP; Dick O'Brien, NJ2J, Secretary; Stan Egelberg, W2WQK, Treasurer. Directors are: Manny Cohen, K2ILF; Bill Hellman, NA2M; Harry Moore, W2JQS; Jerry Mulberg, W2MJP; and Sy Yuter, W2NBT.

A total of 8 members received awards and three others were not able to attend. One member, Charles Hellman, W2RP, received Gold Certificates for 50 to 70 Years, the 50-Year Continuously Licensed Award, and the Century Club Certificate.

Regrets were expressed for the loss of Milt Chaffee who had been an active member of Chapter 181.

Following announcements of other meetings by Dick Robinson, the meeting ended with a prize drawing conducted by Harry Moore.

Dick O'Brien, NJ2J, Secretary

Chapter 182, Northeast Tennessee

The Chapter held its first meeting of 1996 at Wright's Country Cuisine Cafeteria in Kingsport at noon on Saturday, February 10, 1996. There were 12 members and 8 guests present. President Bill Owen, W4VS, took pictures of several members for "publication" on the Buckmaster amateur CD-ROM. After everyone had gone through the line and gotten their meals, the invocation was given by Bob Lane, KI4V.

President Bill Owen, W4VS, opened the meeting at 12:35 and reminded everyone of the upcoming dues increase and the opportunity to renew for several years at the current rates. He also told the Chapter members of the QCWA scholarships available for amateurs going to college.

President W4VS presented three certificates to Ed Shaulis, W4EUM: a framed certificate for having been licensed continuously for 50 years, a certificate for having obtained his first license 60 years ago, and a Century Club certificate. He then presented another framed 50-year-continuous-licensing certificate to Phil Poling, W4DNZ, and a standard certificate for his having obtained his first license 50 years ago.

The President reminded the group of the Chapter net that meets on the 146.16/146.76 repeater at 9 p.m. Sunday nights.

Don Gilbert, WA4EHI, commented on the January snowstorm that paralyzed the region. Area amateurs served in the 911 office in Blountville for a full 24 hours, providing transportation, delivering food, and performing other services. Don commented that they did a superb job, and he felt that someone in the area should try to keep the news media informed when amateurs participate in activities serving the public.

Roy Hill, W4PID, gave the secretary/treasurer's report. The chapter has five new members: W4WRJ, Calvin Christian; WA4EIH, Scott Bullock; K4GKL, Margaret Roberts; K4CYY, Phil Diltz; and WA4IHJ, Hal Payne. We have lost two members: W4NHT, Clarence Jayne, by resignation; and KF4RL, Fred Dellinger, because of incapacitation by a stroke.

The program was a travelog on Alaska presented by Roy Hill, W4PID -- a record of a trip he made in 1984.

The meeting adjourned about 1:30 p.m. Our next meeting is scheduled for this summer.

Unsigned

Chapter 183, Pioneer

The New England QCWA Chapter's Annual Picnic will be hosted this year by the Pioneer Chapter 183. It will be held on July 20, 1996 at the Chicopee Memorial State Park in Chicopee, Massachusetts. The park is located less than 1/2 mile from Exit 6 on the Mass Turnpike.

Any and all QCWA members are welcome to attend this picnic. The pavillion is reserved for the QCWA picnic from 9 AM until 8 PM. Like all Massachusetts state parks there is a \$2 per car entry fee but any QCWA quest may have the \$2 entry fee refunded by our treasurer at the picnic.

There will be cooking facilities available with a charcoal fire for your hot dogs and hamburgers. Bring your own food. One very strict rule at the park is that NO ALCOHOLIC BEVERAGES allowed. There is swimming at the park and our location is very close to rest room facilities.

Attending will be QCWA members from the Yankee Chapter 112, Pine Tree Chapter 134, Twin State Chapter 146, Nutmeg Chapter 149, and the Pioneer Chapter 183. You are welcome to join us on July 20, 1996.

For further information and a map on locating the Chicopee Memorial State Park contact: Mike Ludkiewicz, W1DGJ, Secretary Pioneer Chapter 183, 143 Richmond Rd., Ludlow, MA 01056.
Mike Ludkiewicz, W1DGJ, Secretary



Some of the QCWA members who attended the Chapter 192 first annual meeting at Salinas, PR. L to R: sitting: Mike Munoz, KP4JZ; Ricardo Reguero, KP4EZ; Felix Misalichi, KP4EO; and Jose Toro, KP4RK. Standing: Victor Madera, KP4PQ; Guillermo Schwarz, KP4DDB; Ricky Fuentes, KP4ECL; Felipe Camino, WP4CKC/HI7FCL; and Johnny Vila, KP4MO.

Chapter 192, Puerto Rico

Chapter 192 held its first annual meeting at Salinas, PR, on January 28 during the annual convention of the Puerto Rico Amateur Radio League. Copies of our Constitution and By-laws were delivered to each member and approved unanimously. The Executive Board was elected as follows: Jose Toro, KP4RK, President; Luis Arturo Ramirez, KP4LT, Vice President; Victor M. Madera, KP4PQ, Secretary-Treasurer; Alicia G. Rodriguez, KP4CL and Miguel A. Munoz, LP4JZ, Directors.

During the activity, special recognition was given to hams who have passed the 70-year-old age mark. The eldest in the group are Lorenzo Espasas, KP4BA (96), and Jose Fraticelli, LP4FY (formerly KP4LK, 94), who unfortunately were unable to attend due to health reasons. Many of those attending showed great interest in the QCWA and we provided them with membership application forms. We also talked about the new QCWA Home Page in the Internet and gave the necessary information to those interested.

The Chapter maintains a regular column on PRARL's monthly bulletin "Eureka!" with news from Headquarters and other related items. Since our Chapter is relatively small, we reiterate our appreciation for the support we always receive from the PRARL.

Unsigned

Chapter 195, Sun City Center

The Sun City Center Chapter 195 of QCWA, met at Stacey's Restaurant, on March 14, 1996. The meeting was called to order by Leo Witkowski, K1QPJ, President at 11:40 AM. Leo led the Pledge of Allegiance. Alan Pickering, KJ9N, gave the Invocation. Leo thanked the 27 hams and 6 guests who attended, and asked each to introduce themselves.

continued on facing page

A letter from J. Frederick Strom, K9BSL, was read at his request to the members present. Jay, a member of our Chapter, is running for QCWA National Treasurer.

We had 4 Chapter Presidents in attendance. Leo Witkowski, K1QPL, Chapter 195; Alan Pickering, KJ9N, Pelican Chapter 128; William Bell, K4AVH, Gator Chapter 32; and Croft Taylor, VE3CT, Sun Coast Chapter 53, and also a Director of QCWA. Also attending was Wes Randles, W4COW, the Treasurer of QCWA.

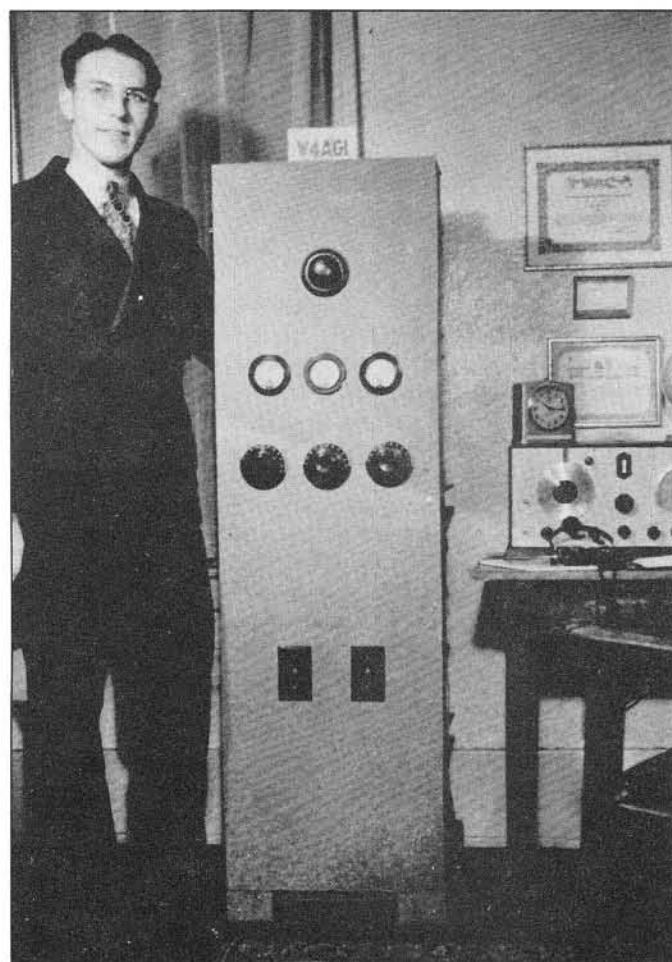
We received a letter from Jim Walsh with the Chapter Charter #195, dated February 8, 1996.

The proposed By-Laws were brought up for discussion. The By-Laws were accepted as modified.

Bill Bell, K4AVH, presented Bob Fairchild, K4FG, the QCWA 75 Year Amateur Award. This was the 61st award issued by QCWA.

Croft Taylor, VE3CT brought registration forms for the hotel and National Convention to be held in Ottawa, Canada, October 4-6, 1996. He talked about the goals and aims of QCWA, and the relationship of the foreign amateurs to QCWA.

Lorraine Witkowski, WA1EDR, Secretary



This picture of Leland Smith, W5KL, was taken in 1938 in Augusta, Georgia. At that time he was ARRL Section Communications Manager for Georgia. The homebrew transmitter has a Taylor T-125 final and is modulated with four 6L6s in push-pull parallel. The receiver is a Hallicrafters SX-9. Leland was first licensed in 1930 as W4AGI. A few months later he was W4YE. His oldest son now has that call.

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Newly-elected officers of SOWP, who took office in January

President - John J. "Jack" Kelleher (2581-P)
Senior Vice President - Benjamine J. Russell (1853-V)
Executive Secretary - Waldo T. "Walt" Boyd (2958-P)
Treasurer - Lorin DeMerritt (0100-P)
V.P. Communications - John "Mac" McKinney (1001-P)
V.P. Finance & Audit - Charles Spencer (4058-P)
V.P. International Affairs - Joseph V. Gardner PhD (5068-M)
V.P. Publicity & Awards - John H. Swafford (0783-V)
V.P. Publications - Theodore K. "Ted" Phelps (0881-P)
Board of Governors
Birgitta Gustafsson (3584-M)
William T. Jackson (3612-V)
Earl W. Korf - (0613-SGP)
Russell F. Latimer (2521-V)
Alice Mitchell (4742-V)
Olive J. Roeckner (2891-V)
Erich Walter (1536-M)

Letters to the Editor

To the Editor

Life membership in QCWA was instituted in 1965. In the following six years, nearly 500 of us took advantage of the offer -- a one time payment of \$25! In 1971 the rate was upped to \$35, which in a few years added over 400 more to the Life Membership roster.

During the Manchester (October '95) and San Antonio (April '96) directors meetings, the Association's financial situation and the dues levels were major subjects of discussion. My first reaction was smugness -- what a smart cookie I was to have latched on to this bargain deal so many years ago!

And then I frowned as it was pointed out that life membership receipts are spread out over an expected 16 years duration, with each year an accounting transfer from our investment funds to the dues column to pay for my equivalent dues. So my one-time payment ran out years ago. Over these past thirty years, the Association has taken from the kitty many times my original \$25 to keep me in good membership standing.

My smugness slowly faded. Yes, I made a deal. But I began to feel a bit guilty -- here I am allowing present members to subsidize my annual dues, and this has gone on for some years now. What could I do to feel more like I was a useful, contributing member rather than a free-loader? After careful thought, I decided to make a modest contribution to the Scholarship Fund (which I should have done earlier anyway), and now I feel much better. If some of the rest of you \$25 and \$35 and even \$50 lifers would do something similar, I'll wager you'll feel better as well. Think about it?

John Huntoon, W1RW

To The Editor:

It was some time during the fall of 1962 that I spoke with a ham from Redding Ridge, Connecticut, on 75 meters. We lived about ten miles east of him in Monroe. After the usual preliminaries he told me he was transmitting on his ten wave long, ten meter rhombic. I had been a ham only a few years but it took me only a moment to realize that this was a monster antenna.

We talked some more about my 2 year old daughter, Kimberley and eventually he invited us over to see the antenna and perhaps take some photos of Kim. He also was a photographer of sorts.

A few days later my wife, who later became WA1TTO, and daughter went to the Ridge to meet this affable gentleman. As we drove up the long driveway we saw the antenna, pointed at Europe, strung between telephone poles covering acres of ground. Faun had dressed Kimberley up in some special clothes and took along a change or two. When it came time to take pictures, our host produced a penny Kim held it up in one picture and it became, "A Penny for Your Thoughts".

My shift as a Connecticut State Trooper was changed and I was transferred and I never did see our friend from Redding Ridge again. We often heard about him and his TVI work.

When I read of Phil Rand's passing in the QCWA Journal, I told my wife and she located the 30 year old 15 x 20 "A Penny for Your Thoughts". I think we will hang it again for a while so we will remember that happy day when we met Mr. Antenna of Redding, Ridge, W1DBM.

Bob and Faun Katson, W1HBH and WA1TTO

Recent Silent Keys

Ben Oliver, AA3Y

Born 3/1/07 in New York City, he held Station License #616 with call 2CJR, an Amateur Extra First issued 3/24/26. That license type allowed the holder to operate a broadcast or amateur station, however the Federal Radio Commission abolished the broadcast portion and the license was reissued on 5/22/28 as a Radio Operator Amateur Class. . . this time as W2CJR. He let the call W2CJR expire and got a new Amateur Extra Class license many years later with the present call AA3Y.

He graduated from Stevens Institute of Technology in 1928 with a Comprehensive Degree in Chemical, Electrical and Mechanical Engineering.

In World War II he saw action in Europe with the 35th Infantry Division and held the following positions: Infantry Division Signal Officer, Assistant Corps Signal Officer, and Signal Battalion Commander.

He had a 43 year career in the Bell System that began in 1928 with the New York Telephone Company as an engineer and ended in 1972 in Washington, DC with AT&T as Vice President, Government Communications, Long Lines Department.

John T. Willier, K3ESS

Irwin "Irv" Wolfe, W6HHN

Irv Wolfe's life was a long one, and closely tracks that of radio (ham and otherwise) as though they were twins. Irv became a silent key recently, but remained active to the end of his almost 92 years. Besides being a long-time NORCAL Chapter 11 Board member and Entertainment Chairman, his voice was almost always heard on both the chapter's Saturday VHF net and the Sunday HF net. He was honored at a special chapter luncheon in April, where old-timers related stories of how it was in the old days. Irv's life story is as interesting as any of those tales.

Although born in Russia, Irv came to the U.S. as an infant. He was raised in Brooklyn, New York -- the same place and same time as the better known George Burns. They were both involved in broadcasting and vaudeville, although in different ways -- an interesting aside. Over the years, Irv was primarily involved with radio in some form, and secondarily with entertainment, poetry, and later family. He wrote many articles for ham radio publications, including QCWA.

Jim Williams Sr., K6HIO

Hank Olson, W6GXN

Hank Olson was born in 1931 in San Mateo, Calif. He resided in Menlo Park, Calif. from 1936 to the present, except for two years at the US Army Electronic Proving Ground at Ft. Huachuca, Ariz. He had Dr. F. E. Terman as instructor in radio engineering. While a student he worked as a research assistant for the Radio Propagation Laboratory at Stanford University under Dr. "Mike" Villard, W6QYT, and Dr. Allen Peterson, ex-W6POH, with Dr. Leonard Fuller as laboratory administrator. He returned to Stanford after the Army, 1956, to work on HF backscatter radar for two years during the International Geophysical Year (IGY). He transferred to Stanford Research Institute in 1958 for continuing work with the Radio Physics Laboratory, for 28 years. He wrote articles for amateur and other technical publications (he stopped counting at 150) and also taught night classes in electronics at Foothill College. At the time of his death he was living in Menlo Park with spouse of 33 years, Jane McKenzie Olson.

Bill Orr, W6SAI

Chapters on the Air

NO.	NAME	DAY	TIME	NET CTRL	FREQ
	QCWA CW	WED	2000E	VARIES	7035
	FLORIDA SSB	SAT	1300Z	W4NWF	3955
	QCWA SSB	SUN	2000Z	VARIES	14347
	FLORIDA SSB	WED	1500Z	W4NWF	7274
	NE REGIONAL	SUN	0845L	W2AUF	3917
1	CLEVELAND CHAPTER	WED	2000L	KB8ZBH	146.88
2	CHICAGO AREA CHPT	1TH	2130L	W9MOL	147.15
4	NORTHWEST CHAPTER	SUN	1630L	W7PN	3655
4	NORTHWEST CHAPTER	SUN	2300Z	KF7P	3952
4	NORTHWEST CHAPTER	SUN	2002L	W7PN	3952
5	DELAWARE VALLEY	SUN	1000L	W2EEQ	3917
6	PITTSBURGH CHAPTER	SUN	0830L	W8CSU	147.03
7	SOUTHERN CALIF	SUN	1000L	W6ZRZ	147.365
7	SOUTHERN CALIF	SUN	1100L	K6BA	3695
8	UPPER MIDWEST CHPT	SAT	0800L	W0KHG	3788
9	SOUTHWEST OHIO	SUN	1330L	W8DWT	3987
10	MICHIGAN CHAPTER	SUN	0800L	VARIES	3903
11	NORTHERN CALIF	SUN	0930L	KF6FBT	3709
12	SOUTHEAST FLORIDA	WED	2000L	VARIES	146.76
14	SAN DIEGO CHAPTER	WED	2000L	K6QM	145.52
16	ARIZONA CHAPTER	SUN	0630L	W7ER	3890
17	ALLEN TOWN-BETH	SUN	1200L	VARIES	3990
19	MISSOURI CHAPTER	WED	1930L	KDØIR	147.15
20	BALTIMORE CHAPTER	MON	2100L	W3EEU	147.285
21	CANTON OHIO CHPT	THU	1930L	K8UDO	146.79
25	NEBRASKA CHAPTER	TUES	1900L	WØHXL	146.94
25	NEBRASKA CHAPTER	SAT	0830L	VARIES	3983.5
28	CENTRAL NEW YORK	SUN	1030L	VARIES	3917
28	PELICAN CHAPTER	SAT	1000L	K9BSL	145.29
29	FINGER LAKES	SUN	1230L	NY2V	3900
30	WEST VIRGINIA CHPT	SUN	1500L	AA8AN	3865
31	READING CHAPTER	MON	2100L		146.91
32	GATOR CHAPTER	SAT	0900L	VARIES	145.29
33	GUNDERSON	DLY	2000L	W3APE	3982
35	MIDCONTINENT CHPT	THU	2030L	WØVHK	146.97
37	HARRISBURG CHAPTER	WED	2100L	K3IUY	147.12
38	SAN ANTONIO CHPT	SUN	2030L	W5HRF	28650
41	DALLAS CHAPTER	SUN	0715L	VARIES	3835
44	HOOVER DAM CHPT	MON	2000L	W9RU	145.39
45	CITRUS CHAPTER	TUE	1930L	WB4DRF	147.195
46	FOUNDER'S CHAPTER	THU	2030L	W2AUF	146.63
46	FOUNDER'S CHAPTER	SUN	0930L	W2AUF	3917
48	TREASURE COAST	DLY	0800L	K4QM	7153
48	TREASURE COAST	DLY	0500L	K4QM	14176
49	ATLANTA CHAPTER	WED	2000L	VARIES	145.41
49	ATLANTA CHAPTER	SAT	0900L	K4VN	3857.5
51	TEX-LA GOLDEN TRI	MON	1900L	W5HYO	146.70
52	MISSISSIPPI GULF CST	THU	2000L	W5OXA	28.480
54	TYLER CHAPTER	MON	1930L	W5RRM	28.650
54	TYLER CHAPTER	SUN	0800L	W5CNO	3835
55	WISCONSIN CHAPTER	SUN	0830L	VARIES	3985
58	COLORADO CHAPTER	SUN	0930L	VARIES	146.07
58	COLORADO CHAPTER	SUN	0900L	W9KRE	3905
62	SUWANNEE CHAPTER	SAT	0900L	W4PFJ	3940
63	CENTRAL OKLAHOMA	THUR	1900L	W5HXL	145.41
63	CENTRAL OKLAHOMA	SUN	0800L	VARIES	3855
64	EL PASO CHAPTER	SAT	0830L	VARIES	3933
65	NIAGARA FRONTIER	SUN	1330L	W2NW	3900
70	NATIONAL CAPITAL	THUR	2000L		147.03
73	SOUTHERN ONTARIO	SUN	1300L	VE3MO	7088
73	SOUTHERN ONTARIO	SUN	0900L	VE3DAR	3773
75	CENTRAL CALIF CST	SAT	0800L	W6RBS	3917
76	BLUE RIDGE CHAPTER	SAT	1300L	K4HXZ	3855
77	NORTHERN NJ	THU	2000L	W2IET	147.285
77	NORTHERN NJ	SUN	1300L	W2QJW	3917
79	SUNFLOWER CHAPTER	WED	2100L	VARIES	146.82
81	LONG ISLAND CHPT	FRI	2030L	K2YAW	147.33
81	LONG ISLAND QCWA	SUN	1130L	W2TLC	3917

85	ARK-LA-TEX CHAPTER	MON	2100L	VARIES	146.67
87	EVERGREEN CHAPTER	SUN	1530Z	VARIES	3985
89	PALMETTO CHAPTER	SUN	1700L	N4LS	3695
89	PALMETTO STATE	SAT	0900L	W4DNR	3927
91	VIC CLARK CHAPTER	SUN	0900L	K4KYO	146.79
92	NORTHERN LIGHTS	SUN	2000L	VARIES	146.97
94	ROADRUNNER CHPT	SUN	2000L	WB5YYX	146.72
95	EASTERN NEW YORK	SUN	1130L	WB1M	3900
102	DAKOTA CHAPTER	SUN	0800L	VARIES	3889
104	TREASURE STATE	SAT	0830L	W7OTJ	3936
105	MIDDLE TENN.	THU	2100L	W4JJY	146.91
106	GERMAN CHAPTER	MON	1700Z	VARIES	3669
106	GERMAN CHAPTER	TUE	1730Z	VARIES	3555
107	CENTRAL FLORIDA	SAT	0900L	W4LHP	7243
107	CENTRAL FLORIDA	THU	1230L	W4LHP	14245
108	BEAVER STATE CHPT	WED	0800L	VARIES	3909
109	BATON ROUGE CHPT	SUN	0830L	VARIES	3905
109	BATON ROUGE CHPT	SUN	2000L	VARIES	146.79
110	KANSAS CHAPTER	SAT	1230Z	KAØRZO	3920
112	YANKEE CHAPTER	SUN	0830L	K1JJJ	3902
114	NORTH TEXAS CHPT	SAT	0830L	WA5BXH	3941.5
120	QTR CTY WW	TUE	1900Z	K4KUU	14295
122	LAKE ERIE TRI-STATE	SUN	0930L	W3QPP	3915
123	LEE DEFOREST CHPT	SAT	0730L	KØDBW	3892
126	PIEDMONT CHAPTER	SUN	0845L	AB4Q	3935
128	PELICAN CHAPTER	MWF	1600L	K9BSL	145.29
130	INLAND EMPIRE	SAT	0800L	AA6J	3862
130	INLAND EMPIRE	FRI	1600L	AA6J	3862
134	PINE TREE CHAPTER	SUN	1430L	VARIES	3942
135	MID-MICHIGAN CHPT	TUE	2000L	VARIES	146.70
138	CENTRAL NEW JERSEY	TUE	2200L	VARIES	147.045
140	WYOMING CHAPTER	SAT	0800L	W7SQT	VARIES
141	HI-PLAINS CHAPTER	SAT	0900L	W5MVJ	3933
142	NORTHWEST OHIO	WED	2000L	W8FO	146.79
143	NORTH COLORADO	SUN	0830L	VARIES	145.115
146	TWIN STATE CHAPTER	SUN	0830L	WA1NBI	3897
149	NUTMEG CHAPTER	SUN	1130L	W1KHL	3923
150	DEL-MAR-VA CHAPTER	SUN	0900L	K3PFW	146.82
151	WILD ROSE CHAPTER	MON	1900L	VARIES	3747
152	ROYAL PLAM CHAPTER	TU-TH	1300L	K4FA	14178
152	ROYAL PALM CHAPTER	MWF	1300L	W4LZV	7020
154	LEO MEYERSON CHPT	THU	1830L	W9VKC	145.480
157	PONY EXPRESS CHPT	SUN	0830L	WØGGP	3955
160	UTAH CHAPTER	SAT	1100L	VARIES	7272
162	SOUTHEAST WISC	THU	2100L	VARIES	147.87
164	BIG BEAR LAKE CHPT	SUN	1900L	N6EFT	147.33
165	YORK COUNTY PENN	WED	2100L	W3AXC	146.97
166	COLONIAL CHAPTER	TUES	1930L	W3TTW	147.21
173	GOLDEN TRIANGLE	TUE	1930L	VARIES	147.255
181	HUDSON VALLEY CHPT	SUN	0815L	W2OZA	3917
181	HUDSON VALLEY CHPT	TUES	2030L	KE2AC	147.060
182	NORTHEAST TENN	SUN	2100E	W4VS	146.76
183	PIONEER CHAPTER	SUN	1030L	W1ALL	3923
184	BAY AREA CHAPTER	SUN	1830L	VARIES	146.64
186	MESILLA VALLEY CHPT	THU	1900L	AB5OU	146.84
188	LOST RIVER CHPT	1STW	1930L	K7RFO	146.85
191	MONTEREY BAY CHPT	TUES	1930L	W6TUW	146.70
194	HAWAII	1STS	1500L	VARIES	7088

It Was Like This

It was in 1930, I believe, when I received a penny postcard telling me my name had appeared in a national magazine, and that for the small sum of 25 cents, by return mail, they would send me the clipping. Do you think I sent the money? You bet I did! In return my postman delivered another card, with my listing cut out of a callbook, and glued to the back! The name of the publication at that time, was "Radio Amateur Call Book Magazine!"

Paul Dillon, W5GT

New Members

DATE	NUMBER	NAME	CALL	CITY	STATE	SPONSOR
02/07/1996	28057	DESCHAPPELLES, JOSE A	W2JD	MIAMI	FL	C B TAYLOR, VE3CT
02/07/1996	28058	FRIEDMAN, STEPHEN	WA2GKI	COCONUT CREEK	FL	ART RAUCH, W4VZ
02/07/1996	28059	KINDRED, WILLIAM E	WA9RAP	FORT WAYNE	IN	BLANCHE RANDLES, W4GXZ
02/07/1996	28060	MASH, JORDAN E	WB2QLP	NAPLES	FL	TOM GLAZE, KC4SUS
02/07/1996	28061	ELDER, ROBERT D	KA2ZNE	LIVERPOOL	NY	FREDERICK V ADSIT, NY2V
02/07/1996	28062	POLLAK, HANS	DJØVZ	KALL,	GERM	H-J HAUTSCH , DL7JOE
02/08/1996	28063	HAYNE, JACK R	WB2BED	OLD BETHPAGE	NY	KATE SAUL, AE2Z
02/08/1996	28064	PASCUA, GEMI	KH6F	KOLOA	HI	-
02/09/1996	28065	HEATH, LENARD D	WB0CRK	DUBUQUE	IA	EUNICE GORDON, W1UKR
02/09/1996	28066	BOOSE, WILLIAM R	N3WST	LITITZ	PA	-
02/12/1996	28067	MC CHRISTY, JAMES C	W6IUA	LONG BEACH	CA	-
02/12/1996	28068	DUVALL, GARLAND PAUL	KJØØ	DES MOINES	IA	-
02/12/1996	28069	FERAN, RUSSELL G	WA5ØXK	NEW ORLEANS	LA	-
02/12/1996	28070	TSUDAKA, TAKASHI	JA3VXH	HYOGO,	JAPAN	-
02/13/1996	28071	MURRAY, ROBERT W	AC5GE	PORTLAND	TX	-
02/14/1996	28072	GEARHISER, WILLIAM P	W5EPW	MISSISSIPPI STATE	MS	-
02/14/1996	28073	IWANIEC, JOHN C	KK4QN	ST PETERSBURG	FL	GARY HARRISON, WAØRWS
02/14/1996	28074	SPRAY, KEN	WAØZQD	CLAY CENTER	NE	JOHN MC KINNEY, WØAP
02/16/1996	28075	SCHLEY, JAMES ANDREW	WAØLUN	LAWSON	MO	B. MC GRANNAHAN, KØORB
02/19/1996	28076	KANGAS, THEODORE	W8HV	ISHPEMING	MI	-
02/19/1996	28077	SIET, STUART	WA2JNF	BROOKLYN	NY	-
02/19/1996	28078	GODBEY, WILLIAM T	KB2ØØR	OSSINING	NY	DICK O'BRIEN, NJ2J
02/20/1996	28079	BENDERY, WILLIAM J	K1DUI	BANGOR	ME	LELAND SMITH, W5KL
02/20/1996	28080	HOSMER, HUGH W	K14AD	MILTON	FL	-
02/20/1996	28081	IVENER, DONALD\	W9VXE	NAPLES	FL	CROFT TAYLOR, VE3CT
02/20/1996	28082	JOHNSON, GALEN	WA6SBB	LODI	CA	-
02/20/1996	28083	RUBIN, STANLEY S	N2GLH	BROCKPORT	NY	-
02/20/1996	28084	WANAMAKER, WILLIAM R	WA6JIN	SUN CITY WEST	AZ	H.L. VAN DYKE, KD2PH
02/20/1996	28085	WELLS, LAWRENCE C	WØLNB	LAS CRUCES	NM	W DEAN FIGGINS, WA7EPU
02/20/1996	28086	WOLF, STEPHEN W	NO8M	NORTH OLMSTED	OH	ROCKY ZIMMERMAN, W8UYN
02/21/1996	28087	BALDWIN, ROBERTA J	WB6DFN	NIPOMO	CA	LEN CUMMINGS, W6RBB
02/21/1996	28088	BROWN, WILLIAM A	N2YON	OAKLAND	NJ	LELAND SMITH, W5KL
02/23/1996	28089	BOOTH, MARK VICTOR	WAØPYN	BLOOMINGTON	MN	JACK HILL, WØZWW
02/23/1996	28090	COHEN, JOEL N	WA9YKR	ROGERSVILLE	MO	-
02/26/1996	28091	CHIGAZOLA, FRED V	W6JWW	CITRUS HEIGHTS	CA	PAUL WOLF, W6RLP
02/26/1996	28092	MAC QUARRIE, J J	VE3AWY	GOODWOOD	ON	JAMES R. TRAYES, VE3FMJ
02/26/1996	28093	NASH, NORMAN D.	W6JNX	DOWNEY	CA	-
02/26/1996	28094	STELK, SAMUEL B	KØSS	GRAND ISLAND	NE	JOHN MC KINNEY, WØAP
02/26/1996	28095	HAAS, GREGORY M	KF4FOO	VIENNA	VA	-
02/26/1996	28096	KRYMOWSKI, EDWARD L.	NE2W	BINGHAMTON	NY	-
02/26/1996	28097	TIDMARSH, RONALD	K1UQV	LYME	CT	WM HART, KC1TX
02/26/1996	28098	WALKER, CEDRIC F	KC5NLJ	NEW ORLEANS	LA	-
02/27/1996	28099	ABREU, EVILLO	KH6DRT	KEKAHA	HI	-
02/27/1996	28100	MIMS, ROBERT M SR	WA1ØEZ	TAUNTON	MA	-
02/27/1996	28101	SIDES, JUDSON B	WB4TNI	BIRMINGHAM	AL	BILL LEVEY, WA4FAT
02/28/1996	28102	ERSKINE, ROBERT A JR	WB8EQG	METAMORA	MI	HOWARD STUART, K8SFY
02/29/1996	28103	MINEAR, MARION W.	W9UO	ARIVACA	AZ	-
02/29/1996	28104	PRATHER, WAYNE	KØ6IO	OXNARD	CA	-
02/29/1996	28105	PRYSTUP, EDWARD	WB6IMS	GARDNERVILLE	NV	-
02/29/1996	28106	SURAD, EARL L	WB6MUQ	GRAND JUNCTION	CO	-
03/01/1996	28107	SMITH, CARL W	K5HMU	SAN ANGELO	TX	-
03/04/1996	28108	BATTEY, WILLIAM H.	N4BGX	WINTER HAVEN	FL	-
03/04/1996	28109	HILL, JAMES S	W61VW	PALOS VERDES EST	VA	DICK RIDINGER, W6ZPE
03/04/1996	28110	HONTZ, RONALD L	KB3IF	BETHLEHEM	PA	RAY BILGER, W3TDF
03/04/1996	28111	MARLAN, MIKE	K5WVG	FARMINGTON	NM	RON NOTT, K5YNR
03/04/1996	28112	ROBERTSON, LOWELL E	K6QXQ	RIVERSIDE	CA	ARLO MYERS, WA6UDR
03/04/1996	28113	SCHULWITZ, GUSTAV W	K8BRD	SAGINAW	MI	-

DATE	NUMBER	NAME	CALL	CITY	STATE	SPONSOR
03/04/1996	28114	BESEMER, DOUGLAS P	KØVPL	TOWN & COUNTRY	MO	WIN KRATZ JR, KBØKK
03/04/1996	28115	GORODETZER, M S	WJ7A	MILWAUKIE	OR	- -
03/04/1996	28116	OZMENT, WILLIAM L	W6LSW	POLLOCK PINES	CA	- -
03/04/1996	28117	POPE, ELMORE EUGENE	WAØQKU	DENVER	CO	- -
03/05/1996	28118	MOCNIK, FRANK A	KP4AOD	ORLANDO	FL	WES RANGLES, W4COW
03/12/1996	28119	BOEHME, JERRY	K7TW	PORTLAND	OR	- -
03/12/1996	28120	KEEL, RAYMOND	WB5FCR	DALLAS	TX	- -
03/12/1996	28121	TIPTON, WILLIAM L JR	AD4UY	JACKSONVILLE BCH	FL	JOHN YOUNG, WA8KNE
03/13/1996	28122	ACKERMAN, WAYNE W	W3GYK	COLUMBUS	NC	- -
03/13/1996	28123	BROWN, GARY KEITH	WZ1M	ORONO	ME	- -
03/13/1996	28124	BUCKMORE, ALVAH JR	K1TMA	WESTFIELD	MA	WILLIAM KUNING, W3BY
03/13/1996	28125	COOK, GEORGE W	W2RBK	SYRACUSE	NY	F V ADSIT, NY2V
03/13/1996	28126	HERMISTON, E BRUCE	VE3BUY	BROOKSVILLE	FL	EUNICE B GORDON, W1UKR
03/13/1996	28127	KRIEG, JOHN W	K2ZGF	ATL HIGHLANDS	NJ	ROBERT BOULLE, W2OKM
03/13/1996	28128	LUTMAN, THOMAS G	WB8ZWY	MUNROE FALLS	OH	- -
03/13/1996	28129	MC NUTT, GEORGE A	WA9CIX	CAMP POINT	IL	WESLEY C RANGLES, W4COW
03/13/1996	28130	MURRAY, WENDELL M JR	K4VNY	TOPSAIL BEACH	NC	- -
03/13/1996	28131	OHNESORGE, WALTER F	AD4LG	OAK RIDGE	TN	ALLEN J MILLET WA4SYJ
03/13/1996	28132	PERREAULT, PHILIPPE	W8EKR	LANSING	MI	R PENNINGTON, W8SFA
03/13/1996	28133	SAKALY, JOHN	KC5QJT	OKLAHOMA CITY	OK	GENE NAILON, K5DLE
03/13/1996	28134	SCHelper, MAX W	K5BTZ	FORT WORTH	TX	JACK DYE, W5TPU
03/13/1996	28135	SHAFFER, DALE M	KM3Y	NAPLES	FL	GEORGE G SLADE, W1GOG
03/13/1996	28136	STAHL, JEFFREY H	WB8HYC	PARKLAND	FL	- -
03/13/1996	28137	GETZ, OMER D	N7AJ	SEATTLE	WA	- -
03/14/1996	28138	MC KINNEY, HENRY E JR	N5WFM	FREEPORT	TX	- -
03/14/1996	28139	VARNALIS, SPYRIDON N	WA3PCP	HARRISBURG	PA	RAY SHAUB, W3AXC
03/14/1996	28140	HICKS, EUGENE	W4WDL	ALBUQUERQUE	NM	IRVING MC LANE, N5KVX
03/15/1996	28141	BRAITHWAITE, BRUCE	N9TTN	SAN JUAN	CA	- -
03/15/1996	28142	VANCE, ELLIS M	K7SER	SPARKS	NV	CLIFF CONRADT, WA7HVV
03/15/1996	28143	VANCE, LYNN P	K7SES	SPARKS	NV	CLIFF CONRADT, WA7HVV
03/15/1996	28144	BLACKBURN, WAYMON J	W4KXT	LAWRENCEVILLE	GA	E S BIGBEE, W4MMQ
03/16/1996	28145	DUFFER, JAMES D	WD4AIR	WOODBIDGE	VA	RICHARD A STALLS, K4KYO
03/16/1996	28146	KADESCH, CHARLES S	W8KUX	KENSINGTON	MD	RICHARD A STALLS, K4KYO
03/16/1996	28147	THOMAS, WILLIAM R	WB4HVA	CENTREVILLE	VA	RICHARD A STALLS, K4KYO
03/16/1996	28148	ROBINSON, THOMAS A	KF4EIH	SHADY VALLEY	TN	W A OWEN, W4VS
03/19/1996	28149	HENDERSON, AMOS T JR	K4EJP	SEVIERVILLE	TN	J V GIESLER, W4TYU
03/19/1996	28150	SHERMAN, ROBERT L	ND6N	MURRIETA	CA	ALBERT HILL, W6JQB
03/19/1996	28151	TESSEM, ROLFE	W3VH	GRT BARRINGTON	MA	- -
03/19/1996	28152	INGMAND, GEORGE H	WA8YVF	OLMSTED FALLS	OH	ROCKY ZIMMERMAN, W8UYN
03/19/1996	28153	KERN, PAUL L	AD4NM	LOUISVILLE	KY	- -
03/19/1996	28154	MOORE, WILLIAM W	WB4KWN	HAINES CITY	FL	STEPHEN D PINER, W1IAC
03/19/1996	28155	PHELPS, MARVIN L	WB5DXZ	OKLAJOMA CITY	OK	RON TUCKER, K5IGB
03/20/1996	28156	MC GLEISH, MAURICE C	K8CPW	MANCELONA	MI	DON CHRISTENSEN, W8WOJ
03/20/1996	28157	WHITEHOUSE, C BART	WAØHWP	LITTLETON	CO	ROBERT I BROWN, WØYHI
03/21/1996	28158	AVERS, CARL D	W3DRY	RESTON	VA	JIM WILCOX, K4JAP
03/21/1996	28159	BAISLEY, WILLIAM D	KH6S	KALAHEO	HI	DEAN MANLEY, KH6B
03/21/1996	28160	BARBERO, JERRY E	WE6E	QUARTZ HILL	CA	BLANCHE RANGLES, W4GXZ
03/21/1996	28161	BROOKS, GEORGE	KK5CZ	ALBUQUERQUE	NM	- -
03/21/1996	28162	CALHOUN, CHARLES P	W2EG	VERONA	NJ	- -
03/21/1996	28163	KUMUKAHI, FLORENCE L	KH6BGE	HILO	HI	DEAN MANLEY, KH6B
03/21/1996	28164	VIGUS, VINCENT A	W6ZKZ	FULLERTON	CA	ALBERT F HILL JR, W6JQB
03/22/1996	28165	BENNETT, ROY G	VE3VS	CTY OF N. YORK	ON	FRED HAMMOND, VE3HC
03/22/1996	28166	JACKSON, JEFFERY	KA9BON	ALOHA	OR	- -
03/22/1996	28167	SELTZER, ROBERT A	WA6FLO	SAN RAFAEL	CA	- -
03/22/1996	28168	SHEFFIELD, JIM	KB7ET	AUSTIN	TX	TONY STALLS, K4KYO
03/22/1996	28169	VINCENT, CECIL L	WØUM	ROCHESTER	NY	- -
03/22/1996	28170	CAMACHO, DONALD L	KK4AE	PENSACOLA	FL	JOHN ZWASKA, W4WKQ
03/22/1996	28171	CHENETTE, EUGENE R	W4TLN	NICEVILLE	FL	JOHN ZWASKA, W4WKQ
03/22/1996	28172	FORBESS, ROBERT E	K4WVE	GULF BREEZE	FL	JOHN ZWASKA, W4WKQ
03/22/1996	28173	MC COMAS, BENNY J	KD4NGV	NICEVILLE	FL	JOHN ZWASKA, W4WKQ
03/22/1996	28174	SMITH, FLETCHER B	W4RGM	DESTIN	FL	JOHN ZWASKA, W4WKQ

New Members, continued

DATE	NUMBER	NAME	CALL	CITY	STATE	SPONSOR
03/22/1996	28175	WATSON, WILLIAM E	NV4T	PANAMA CITY	FL	JOHN ZWASKA, W4WKQ
03/25/1996	28176	HORN, FRANCIS H	W7NSN	SUN CITY	AZ	-
03/25/1996	28177	HUDLOW, GRADY T	K5OES	RUSSELLVILLE	AR	BEN HILLIS, W5HH
03/25/1996	28178	SEIFERT, RICHARD E	KB2FF	KEENE	NH	M E CHAFFEE, W1EFW
03/25/1996	28179	TURNER, R MARVIN	K8KX	WAVERLY	OH	GEORGE DAUGHTERS, AB6YL
03/26/1996	28180	BEAM, JOE	KD8YP	BEL;LE	WV	SAM MOORE, W8NCD
03/26/1996	28181	BROWN, NORMAN E	WA6BLU	FRESNO	CA	-
03/26/1996	28182	JONES, ROBERT W	WA6NAU	WEST SACRAMENTO	CA	-
03/26/1996	28183	ZBROZEK, MICHAEL V	K8XF	NEW PORT RICHEY	FL	-
03/28/1996	28184	WALKER, CARROLL	WB6USD	SAN RAFAEL	CA	BOB SELTZER, WA6FLO
03/28/1996	28185	GUCCIONE, SAMUEL A	K3BY	CAMDEN	DE	-
03/28/1996	28186	MICHAEL, DAVID E	WAØNXD	INDEPENDENCE	MO	JAMES E MC KIM, WØCY
03/28/1996	28187	SWEARENGEN, ROGER B	N7EYU	KALISPELL	MT	GEORGE T HANSON, W7BKB
03/28/1996	28188	VANACORE, A J JR	AK1O	NORTHFORD	CT	-
03/29/1996	28189	ARNOLD, PAUL F	KØSEP	RAYMORE	MO	GARY HARRISON, WAØRWS
03/29/1996	28190	AUCHARD, MARTHA S	WBØERI	LEAVENWORTH	KS	GARY HARRISON, WAØRWS
03/31/1996	28191	KORDOWSKI, EUGENE J	NZ3D	FORT MYERS BEACH	FL	ED YODER, W3YMB
03/31/1996	28192	MC KERAGHAN, O R	W2HRV	EASTHAMPTON	MA	CARL E DRAKELEY, W2KFX
03/31/1996	28193	MORGAN, ROBERT C	W4PSQ	LAKELAND	FL	J FRED STROM, K9BSL
03/31/1996	28194	RUDDOCK, KEN	K6HNZ	SANTA CRUZ	CA	JON G TROSTER, W6ISQ
03/31/1996	28195	STUMPF, HUBERT	VE3BIQ	WATERLOO	ON	ERIC ENNS, VE3BB
03/31/1996	28196	YODER, EARL B	WA9OCQ	LA PORTE	IN	J FREDERICK STROM, K9BSL
04/01/1996	28197	PETERS, ROBERT W	KK5FJ	MESQUITE	TX	RICARD A STALLS, K4KYO
04/01/1996	28198	RICHARDSON, R L II	AC4WN	SPARTANBURG	SC	-
04/02/1996	28199	COX, GORDON M	N2HQE	CLIFTON	NJ	-
04/03/1996	28200	BUSK, JACKSON	W9FQK	COTTONWOOD	AZ	GERALD HIGGINS, W9INP
04/03/1996	28201	KOSKIE, EDWARD L	N2EK	TILLSON	NY	CHARLES R CROSS, K2HA
04/03/1996	28202	WAGAND, PHILLIP	KR4HF	HENDERSONVILLE	NC	-
04/04/1996	28203	ICHIKAWA, GORDON R	N6IN	OWEGO	NY	THOMAS ICHIKAWA, W7GUN
04/05/1996	28204	ENGLE, AUBREY D	KF4GYG	SUN CITY CTR	FL	L WITKOWSKI, WA1EDR
04/08/1996	28205	COMER, JACK JR	WA2EDD	WAYSIDE	NJ	-
04/08/1996	28206	WEBER, MICHAEL	WA2RZJ	NEWFANE	NY	AL GRITZMACHER, AE2T
04/08/1996	28207	BROWN, MAX	K3BMI	SOUTHAMPTON	NJ	CHARLES C PORCH, NG2S
04/08/1996	28208	LIPSON, DAVID	N9PVF	SHOREVIEW	MN	-
04/09/1996	28209	JONES, MARIE MARTIN	NØTWV	PAGOSA SPRINGS	CO	-
04/16/1996	28210	PAGELS, GEORGE A	K9AAL	FRANKSVILLE	WI	ROBERT N JENSEN, WØWLN
04/17/1996	28211	HOLTKAMP, DAVID V	WA5SVJ	LOS ALAMOS	NM	-
04/17/1996	28212	KIDWELL, LLOYD S	W1BHY	HENDERSONVILLE	NC	DUKE KNIEF, W2YTO
04/17/1996	28213	KURST, BILL	AA2OR	YARDVILLE	NJ	DON FIELD, W2UAE
04/17/1996	28214	OWEN, JOHN E	K4BAW	ASHLAND	VA	F PARKER HEINEMANN, W1YG
04/17/1996	28215	PITTMAN, DONALD E	WB8ZOM	WATERFORD	MI	R A ERSKINE JR, WB8EQG
04/17/1996	28216	YOUELL, JOHN R	WA4QDM	CHESTER	VA	-
04/17/1996	28217	BENTZ, WILLARD K	AD4ZL	EFLAND	NC	BILL HUTCHINS, KM4UO
04/17/1996	28218	SALATINO, DENNIS R	W7ZTG	TACOMA	WA	-
04/18/1996	28219	BENDER, RICHARD M	W3SYY	EBENSBURG	PA	-
04/18/1996	28220	BUCZKO, ANTHONY J	N2FGF	PENNSAUKEN	NJ	-
04/19/1996	28221	ALEXANDER, OTTO E	K14JI	LEESBURG	FL	-
04/22/1996	28222	DAVY, HOWARD	VE3AXD	THORNHILL	ON	FRED HAMMOND, VE3HC
04/22/1996	28223	GRIFFIN, DENNIS B	WA2CEB	REDINGTON BEACH	FL	-
04/22/1996	28224	CORDRAY, CLOY-BRYAN	WA5SPI	HOUSTON	TX	JOHN H SWAFFORD, W4HU
04/22/1996	28225	LEE, GEORGE W	K5HT	LONGVIEW	TX	HARRY J MEYERS, K5VPH
04/22/1996	28226	PHILLIPS, RANDALL L	N2BQV	CAZENOVIA	NY	FRED ADSIT, NY2V
04/23/1996	28227	KLINGMAN, JOHN	KAØGEK	OMAHA	NE	JOHN MC KINNEY, WØAP
04/23/1996	28228	KOWALCZYK, DAVID A	WA2AGC	SYRACUSE	NY	-
04/24/1996	28229	GARDENIAS, CARL HAYES	WU6D	HIGHLAND	CA	ARLO K MYERS, WA6UDR
04/25/1996	28230	BELZUNG, ROBERT J	N5XLS	FT SMITH	AR	-
04/25/1996	28231	PURSEL, ROBERT E	WA6ECX	SAN JOSE	CA	-
04/25/1996	28232	SOULES, RICHARD A	AB7OT	ELLENSBURG	WA	-
04/29/1996	28233	ROFFMAN, MARC	WB2CUZ	LEVITTOWN	NY	HERMAN MILATZ, W2TLC

Letters From J. Harvey McCoy, W2IYX

provided by Jules L. Freundlich, W2JGR

Part Two, The Conclusion [Part one appeared in the Spring Journal]

The following day I flew up to Presque Isle, Maine, overnighed there and the next morning was flown up to Gander, Newfoundland. Immediately upon landing there, I was picked up by a jeep and driven down to the docks where I boarded a navy tugboat. After about an hour, I spotted a big Navy Cruiser ahead of us. We pulled alongside the Cruiser which lowered a rope to the tug. We backed away and about an hour later I found myself being hauled across the open water in a breeches buoy chair. What an experience! As the cable slackened and tightened, I was sure several times that I would be dunked in the water. Finally, I was aboard the Cruiser and greeted by a line of saluting naval officers. I was ushered below and into a large mess that had been converted into a conference room.

Seated at the head of the table was F.D.R. Alongside him was Winston Churchill, then DeLaval, then about 20 more dignitaries, most of whom I did not recognize. Behind each of the dignitaries was seated their respective aides. I spotted my boss and was motioned to take the seat behind him. The conference concerned the German submarine menace and for about two hours I listened to dozens of proposals for counteracting our continuing loss of North Atlantic convoys to the German submarines. Finally, I whispered to the General, "What the hell are all these proposals for increased escort vessels got to do with the basic problem?" He whispered back, "What's your idea?" I leaned closer and said, "Their big problem is poor radio communications".

Like a flash, he spoke up. "Mr. Commander In Chief", he addressed FDR, "My aide, Mr. McCoy, has a proposal for your consideration". My heart darn near stopped because I thought the General would make the proposal. FDR said, "Mr. McCoy, you have a recommendation for this group's consideration"? Now the butterflies really hit me.

I stood up and began with a recitation of the crucial need for responsive radio communications between the convoys and their protective fleets of warships (destroyers, corvettes and shore based anti-submarine aircraft). I described how radio waves used the ionosphere to refract them over long distances. I described how the sun goes through an eleven-year activity cycle and that we were presently at the bottom of the activity cycle. (Everybody was looking at me and listening intently. The butterflies had left me and I was going strong). I then described how very low frequencies did not depend on the ionosphere for propagation and stated emphatically that we could guarantee effective receipt and response to a distress call from a convoy if we used very low frequencies. As I concluded, everybody was banging their fists on the table and FDR smiling, said, "Mr. McCoy, it looks like your plan has everyone's approval".

When a round of applause had ended, FDR said, "Mr. McCoy, how soon can we implement your proposal"? I hadn't the foggiest idea how long it would take to obtain and install VLF rigs on all of the ships that were involved in the North Atlantic convoys or to obtain and install VLF stations across

the North Atlantic. I answered, "I would estimate that we could make key installations within six months - with at least one ship in each convoy so equipped and enough base stations to make the system operative." FDR said, "You herewith have all of the necessary funds, facilities and manpower to do the job in THREE MONTHS! 'Let's get it going and thank you for what appears to be a dynamic solution to what has been a devastating problem.'"

I was escorted back to my chair on the breeches trolley. Only then did I start to ask myself - what have you gotten yourself into? What the Hell do you know about VLF? I decided to stop in NYC instead of going back to Washington. I had met the VP of RCA Communications Company and knew that the famous Dr. Beverage worked for him. Arriving in New York, I telephoned our contracting office in Philadelphia, explained my intention to try to hire Doc Beverage on contract and to be prepared to back me up if RCAC called them.

The discussion at RCAC was pleasant, Dr. Beverage was anxious to cooperate, and I left there with a tentative agreement that they would receive a written request for their execution of a services contract for one year of Dr. Beverage's services to the Office of the Chief Signal Officer.

When I got back to my office in Washington, the place was in a turmoil. We had been occupying a temporary barracks building in SW Washington while awaiting the completion of our designated space in the Pentagon Building (which was being constructed at that time). As with most government buildings, its completion date had been again delayed. We had outgrown our temporary space and were moving to Philadelphia (where they had leased the entire Architects Building in the heart of downtown Philadelphia). I called a meeting of all of my engineering personnel and put them to work sourcing every conceivable user and supplier of 80 to 120 kHz marine and fixed station equipment. Meanwhile, Bell Labs had completed the first SSB exciter and Press Wireless was finishing the first 40 kW RF amplifier. I had Bell Labs deliver the exciter to Press Wireless in Hicksville and we began testing the combination. The transmitter worked right off the bat but I was not happy with the Hammarlund receiver that was really trying to copy the SSB on the slope of the BFO. Bell Labs came to the rescue with a true SSB receiver converter. We had a duplicate system built and three months later installed the first overseas SSB circuit between Press Wireless in Hicksville, NY and Casa Blanca, Morocco. We were alternately running voice and 2-tone RTTY on the SSB circuit. I invited Bell Labs to consider and propose a multi-channel (MUX) system using their J or K carrier units. We ended up with a dozen SSB long haul circuits with the ability to run 4 channels of voice and/or RTTY on one sideband and a voice-Order Channel on the otherwise unused sideband.

With all the engineering troops and the contract office working overtime digging up VLF gear, Dr. Beverage and I went on a tour of the upcoming North Atlantic VLF route. At each proposed fixed station base, we surveyed the existing facili-

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ties and drew up plans for the VLF stations. Starting on Governors Island, NY, we visited Gander Lake, Newfoundland; Goose Bay, Labrador; Julienhabbe, Greenland; Reykjavik, Iceland; Prestwick, Scotland; North Cape, Norway and Murmansk, USSR. Available space at each selected site determined whether we would specify a Beverage antenna or a tower. As we'd complete the specs for each site, we would radio them back to my office for implementation. We settled for 100 kHz as the primary emergency frequency. 80 and 120 kHz were used for message traffic and concurrent emergencies.

We had the system in its initial working order in exactly 105 days. It took several more months to make things look professional, but in the meantime our anti-submarine forces were getting the messages and making big inroads in the protection of the convoys. I never found out how many German submarines were sunk but I do know that I was cited for having provided the means for enabling our convoys to get through.

In 1943, Major Armstrong discussed FM with us. We had been having problems with enemy intercepts of our inter- and intra-island Pacific traffic. Long before anyone else was using VHF FM, we had FM circuits operating throughout the Pacific - and it was a delight for me to get away from the frigid North and bask in the pleasant weather of a dozen or more Pacific Islands. Naturally, I had to get down to Brisbane, Australia to inspect our big RTTY and SSB stations there. Even during the last 18 months of WW II, there was never a dull moment for me and I revelled in the opportunities to use my noodle in coming up with ideas or approaches to solving problems or improving on existing systems.

One of the experience I'll never forget was the time I was stuck at our base in Greenland due to winter storms. I had spent a week in the station and at the OC playing tabletennis. I had a million things to do at the office and, when word came in that a British Ventura bomber was going to take off - come Hell or High Water - the following morning, I went to see the pilot to get his permission to fly with him - to wherever he was going. We took off in fog the following morning and, after snaking our way over the fjord, finally cleared the top of the adjacent mountain range. A few minutes later the port engine quit. We couldn't get back into the base because of the fog, so the crew decided to stay aloft by flying north over the Greenland icecap, in the hope that the fog would lift in an hour or so. Although I thought it was pretty silly to risk an emergency landing away up on the icecap, I had no say in the matter. Also aboard was an officer wearing both Scandinavian and US Eagles (whose name it kills me not to remember). He was known as 'The Last of the Vikings', so maybe you'll recall who he was.

Anyhow, we continued north at altitudes of 500 to 700 feet over the icecap. While worrying about how anyone could rescue us if we had to land on the icecap, it was fascinating to see the deep and wide crevasses in the ice and snow. Also to see the accumulations of dirt from prior meltings. We flew all the way to the arctic circle, reversing direction only when the base announced that the fog was beginning to lift and we should be able to land in about an hour. Believe it or not, we didn't show any signs of jitters until after we had landed and had time to think about the utterly stupid flight in a disabled aircraft.

At the end of WW II, the Army transferred me to Ft. Monmouth Signal Laboratory but in the meantime I had lucrative job offers from Press Wireless and Pan American World Airways. PAA offered me double the salary I had been earning in the Army, plus a full year's bonus if I could convert their Latin American Division traffic circuits to RTTY in one year. The title was Division Communications Engineer and it looked intriguing. I accepted the offer and moved to Miami, Florida. During that first year we bought tons of govt. surplus RTTY equipment and had all their major traffic terminals on RTTY within 6 or 7 months. They told me that their Chief Comms Engineer, Hugo Luteritz, was on his way out and that I would replace him. He had been a strong proponent of CW air/ground comms and manually-operated direction finders in the aircraft - which necessitated a licensed Flight Radio Officer in every airplane. I proposed to update their Airofare transmitters to enable the use of automatic direction finders (ADF) and to have pilot-voiced comms. I worked directly for the Vice President of PAA and when I discussed the proposals with him, he took them directly to the company's board of directors and got a green light to proceed. To be certain that the FROs were not kicked out of their jobs, we arranged to offer them equally or better paying jobs in our radio shops or as base station operators in practically every foreign country. For a while we had a crucial labor problem with the Pilot's

Union - because they sided with the FROs. However, it never got down to an actual strike because the job opportunities for the FROs were real. Further, we proved to the flight crews that the ADFs provided far more accurate bearings than they had been getting from the manually operated and interpreted DF bearings. I visited every country in South & Central America (plus all the Caribbean islands), all the mid-At-

lantic islands that served as emergency alternate landing sites, and all the countries in Africa. In other words, every country that was served by the Latin American Division of PAA, together with every place where they had their own or a leased navigation facility.

We conducted pilot training courses in voice communications (including the use of typical words and phrases, many of which were unique to air/ground comms) and in the idiosyncrasies of radio direction finding (where the pointer can swing around crazily for a few moments when signals are being reflected off huge cloud formations or areas of weather fronts). We eventually got all of the crews properly indoctrinated and, although the pilots initially objected to the additional chore of communicating with base and tower operators, they finally fell in line. Now they wouldn't dream of having anyone else take those prerogatives away from them!

A friend of mine, Ed Link of Link Aviation, agreed to modify our Link Trainers to incorporate instructor-activated ADF and typical tower instructions.

After two years with PAA and Luteritz still holding-on to his Chief's position I figured that I'd been around the world twice, accomplished everything I had developed, couldn't see any future for me and was ready for something new. When a friend who was president of a big fiberglass reinforced plastic company called me for assistance in the production of navy sonar structures and for some ideas on the mass-production of auto body parts that GM was considering, I decided to make the change.

PAA offered me double the salary I had been earning in the Army, plus a full year's bonus if I could convert their Latin American Division traffic circuits to RTTY in one year.

The major problem with the sonar structures turned out to be nothing more than the mechanical transmissibility of the dome structures to a combination of hull vibration and induced vibration from typical water flow. With a chemical Engineer as a partner, we developed a sandwich structure with a somewhat viscous core that attenuated vibration by 10 dB. The Navy was ecstatic and the company received nearly a million dollars in orders for replacement sonar domes on surface ships and submarines. I have the patent on the process. General Motors was dickering with the design of what would be the Chevrolet Corvette. They had attempted to mold the body parts themselves but couldn't get the production rate up to their requirements. I visited their production line in Ohio and immediately saw the root of their problem. They were electrically heating the molds and it was taking a couple of hours to produce each part.

I didn't tip my hand on the brainstorm that struck me but instead came back to our plant and rented a big diathermy machine. We made a similar pair of molds such as would produce a fender for a car. Each half of the mold contained a wire mesh that would simulate the typical diathermy applicator plates. When we layed up the first laminate, it cured sufficiently in about 20 minutes (as compared to 3 to 4 hours for the GM molds). To make a long story short, the company opened a plant in Ashtabula, Ohio - not far from the GM plant-and for the next several years made ALL the body parts for the Chevrolet Corvette.

The plastic company was a member of an industry/government organization and I was invited to one of their outings at the navy facility on Virginia Beach. Strolling near the beach with a Vice Admiral, I asked about the scores of rotting wood LCVPs. Why doesn't the navy make them out of fiberglass reinforced plastic instead of wood, I asked the officer. Can that be done, he asked. "Absolutely", I assured him. A couple of months later, he telephoned me to ask if we were really interested in producing LCVPs in plastic. I had discussed the subject with our president who was a reserve colonel, so I transferred the call to him. A few minutes later he came into my office, beaming. "Whatta you think", he said, "We're getting an invitation to bid on the development and follow-on production of LCVPs". As far as I know, they're still building LSTs and LCVPs.

The president of the plastics company was an ardent republican and, when Eisenhower ran for president, he and the president of Hiller Helicopters in California put together an organization called Young Industry For Eisenhower. It attracted a huge number of interested companies and a fantastic amount of money in a "campaign fund". The public relations firm that they retained was owned and operated by Tex Macrary & his wife, Jinx Falkenberg, who were well-known radio personalities. My boss said that I'd been bringing in more business than his regular salesmen and so, "How would you like a nice long vacation at full pay"? The "vacation" was advance man for Eisenhower. It meant that I would travel the length and breadth of the USA, a couple of weeks in advance of Eisenhower's visit to various cities. I would go to a city (say Chicago), meet with the state and city republican leaders, then meet with the management of the auditorium (or whatever) where he would appear, meet with the radio and news media and, in short, make all the necessary preparations for the Eisenhower visit. Finally, I would meet with the politicians again to learn precisely what the people of the area needed, the

changes in environment and life-style and even local ordinances they were hoping to have changed. I'd get the recommendations of the top politicians and then write a couple of paragraphs that Eisenhower would include in his speech to assure the local voters that he was aware of their hopes and needs. I got a real kick out of the job - it was a relaxing change from the daily grind of engineering.

Near the end of the campaign, I did a network interview of Secretary of State John Foster Dulles. A few weeks after the interview, he invited me to his home here on the North Shore of Long Island. He asked me if I would like to be appointed as a commissioner on the FCC. I told him YES. That was the last I ever heard of it!

After the Eisenhower campaign, I realized that I was getting a long way from electrical engineering. Back at my desk I was pondering a move to set up my own consulting company when I received a series of telephone calls. The admiral at Virginia Beach called to say that he wanted me to go up to Electric Boat Company in Groton, CT to meet one of his staff. When I arrived there, a navy captain took me on a tour of the yard. "See the decking on this submarine", he said. "It's teak wood and it costs a fortune, can you make it out of fiberglass with a sandpaper finish to provide a better foothold when it's wet?" "Look at the superstructure on this submarine. It's metal and when we're underway it creates vibratory noises from the water flow that make it a great sonar target. Can you make it out of fiberglass and incorporate some structural vibration damping?" "Electric Boat and the navy is rarin' to go on these projects and we're depending on you to come up with the right answers."

When I got back to the office, there was a message from Bucky Fuller. He had designed a geodesic dome for wide-scale radar ranging and wanted to come down to discuss it with me. Made of identically-shaped flanged hexagons, it could be assembled as a sphere or a hemisphere and was intended for use on the North American Dew Line. (I can't find my engineering note book on the project but I seem to recollect diameters of 30 and 50 feet). I recall my concern regarding the multiplicity of 8" x 1/2" flanges bolted back-to-back throughout the inside of the dome, and the resultant variations in dielectric constants as the radar would sweep across them. I'm not sure if the geodesic domes ever got into actual service on the Dew Line, but Bucky Fuller certainly got fantastic publicity on his design of a geodesic dome.

While working on the organization of a consulting engineering firm, we designed and built fiberglass reinforced plastic superstructures (called "sails") on a navy subcontract via Electric Boat Division of General Dynamics. Also fiberglass reinforced plastic decking for submarines to replace teakwood.

Finally, we had put together a corporation for consulting contracts. One of my associates brought in a development contract from Howard Piper of Piper Aircraft. It was for an auto pilot for the Piper Tripacer. Then Link Aviation gave us a big contract for several updates in a Link Trainer and one of the big film companies in Binghamton contracted with us for an automatic color densitometer for use in film processing. A local lab had a marginal contract with the National Institute of Health for an implant battery that would power a pacemaker. The concept was for the battery to draw small amounts of oxygen from the blood. (Not being internists, we didn't get anywhere with this one). Since a couple of our contracts came out of Binghamton, we arranged for a test setup with the own-

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ers of the little Chenango Bridge airfield outside Binghamton to run tests on our autopilot. I decided to kill two birds with one stone and got a private pilot's license up there. We added a man to the corporation who had an "in" with the Navy Special Devices Center and his new department in our company was kept busy writing technical manuals on all sorts of equipment. The navy recommended me for an honorary doctorate in electrical engineering for several of my sonar developments and I attended the ceremony in Florida for the conferral.

At about that time, I began checking into the books. We were doing a tremendous amount of business and should have been getting some dividends. I discovered that the man whom we had elected as president of the company was writing off his membership in the fashionable Huntington Crescent Club, writing off a fabulous rent for a residence of the Club property, and otherwise dipping into the till for big bucks. I called a meeting of the board of directors, demanded reimbursement, called for his immediate resignation in lieu of criminal action, and demanded that my interests in the corporation be purchased from me. Several of us got out and the company folded about six months later.

As a long-time member of the board of directors of the Polytechnic Institute's Alumni Assn., I had excellent informal relationships with many of the executives of local industry. Several job offers came my way but I was so disenchanted with my prior choice of a president, that I questioned my ability to evaluate the integrity of people and their related offers.

I accepted a political appointment as a member of the board of the Suffolk County Water Authority and then accepted the position of Deputy Research Director of Continental Copper and Steel Industries. This is a tremendous company which owns a wide variety of companies starting with extensive copper mines in Chile, shipbuilding operations, electric and electronic equipment & instrumentation, etc., etc. My first assignment involved electrochemical precipitation of raw copper ore. I didn't know anything about such processes but soon learned and was able to contribute some useful techniques. I got back into sonar systems in their marine division and developed the early steerable arrays and baffles. Computers were just being introduced and, after learning something about them, developed digital readouts for dozens of applications in their production phases and in end-products. We were doing some laboratory experiments with a ruby laser, particularly in focusing techniques for potential weaponry. After a couple of years of daily commuting up to the lab in Pelham, I decided to look around for something closer to home.

I resigned just in time to be asked to manage our town's political campaign. Being naive in the doings of a campaign manager, I immediately instituted a big fund-raising effort that produced more money than any prior campaign had raised. I started an expanding series of radio commercials and newspaper ads & stories. The outcome was a sweeping victory with every candidate on our ticket getting elected (a congressman, state legislator, judges, town supervisor, 3 town councilmen, town clerk, hwy supt., etc.) and a sweeping town majority vote for county candidates. The County Chairman called me and said, "We're going to do something better for you than the water authority post". Several weeks later I was appointed to the board of elections and, among other duties, was charged with the task of computerizing election returns.

In 1979, just as I was completing the specs for new voting machines with built-in modems for direct telephone transmis-

sion of voting data to the respective boards of elections, the bottom dropped out for me with the loss of my wife, Claire. As you may remember, there was no advance warning and it hit me like the proverbial ton of bricks.

Several months later, the President of the ARRL declined an invitation to visit China for the purpose of discussing the resumption of amateur radio in China with some of their political bigwigs. He turned the invitation over to W6AM, Don Wallace, who immediately contacted me plus a couple of his California buddies. For almost a year we busied ourselves with the preparations for a speech in Beijing. When all of the preparations had been made, we gathered all of the written material together and they selected my write-up as the one to be used. I had related the values of ham radio to a communist government where everything had to be for the benefit of the people AND THE GOVERNMENT. I had related the availability of thousands of civilian communicators who, in the event of war, could be instantly inducted into the military for communications duty. To the ready availability of communicators throughout the land in the event of local or widespread catastrophes. To a built-in backup comms capability for any purpose required by the government. To early hands-on electronic training augmentation by their colleges and universities. My speech was typed in final form, copies made and arrangements for the trip completed. (We were to be the guests of the Peoples Republic of China for three weeks, entering via Tokyo and departing via Hong Kong).

One week before our scheduled departure, I landed in the hospital with a distended aorta which ruptured as I was being wheeled into the operating room. (I'm lucky to have pulled-thru).

Happily, Jeannie, WA2BGE agreed to take my place and deliver the speech. Evidently, the speech provided at last some of the ammunition needed because the Comintern passed the resolution to permit the resumption of ham radio in China. (Jeannie broke all records by getting VISAs for Japan, China, Singapore and Hong Kong in one day in the city).

Within the past three months I've had letters from China advising me that I should expect a momentary invitation to be the guest of the Peoples Republic of China for some new meetings concerning the expansion of amateur radio. Thus far, I've heard nothing further - except that this week a number of station masters are meeting outside Beijing for the precise purpose they described. I guess I can chalk it off!!

Now that I'm fully retired, the job offers keep piling in. One that I like is a potential application that I can visualize for a really new laser. I've discussed it with the navy and filed a preliminary patent application.

Forgive me for burdening you with all this verbiage. I've been asked to prepare an autobiography and this is the first attempt at getting it down on paper. In rereading it, I see that I neglected to include a few important events but for the first time around, it almost covers the waterfront. **Harvey, W2IYX**

7 August, 1986

Dear Jules:

After rereading the attached, a thought hit me! You can verify some of my early broadcast experiences with a friend of yours: Dave Winter, W2AUF, worked with me at WLTH in Brooklyn before he went with Bill Reuman at WWRL. Dave is presently an officer (maybe Secretary) of QCWA and attends the meetings at both the LI and NYC Chapters.

continued on next page

Dave was my mentor in ham radio. I used to spend hours upon hours with him and his ham rig at his home on Willoughby Avenue in the Bushwick section of Brooklyn.

I had started with a Ford spark coil, then graduated to a rotary gap and alternator with a ham who owned an auto parts shop in downtown Brooklyn. Dave introduced me to the modulated oscillator feeding a longwire antenna that extended from the roof of my home, across two back yards to the roof of the house on the street behind ours.

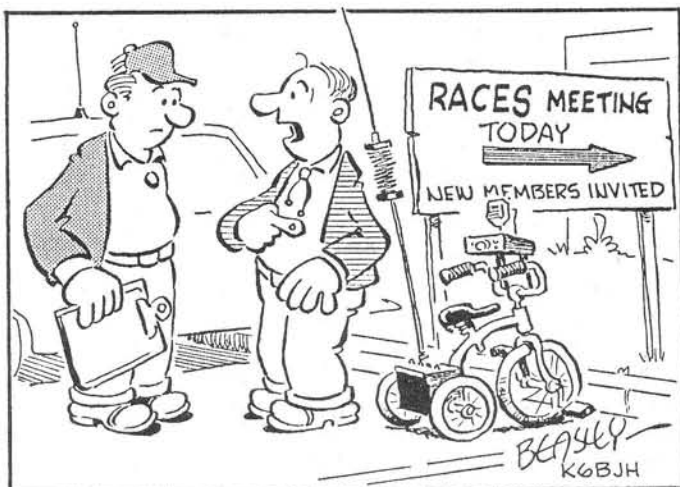
I vividly remember catching Hell from my parents for burning a big hole in the parlor rug from a combination of leakages from Leyden jars and a couple of lead-acid storage batteries.

My aunt (my father's sister) was married to Adolph F. Gall, who was Thomas A. Edison's chief engineer. I used to love to visit my relative's home in West Orange, NJ, and to accompany my uncle to the Edison plant. I got to know Edison quite well and, although his prime interest was in the manufacture of his cylinder phonographs and recordings (I could write a book on the big names in the entertainment field that I knew on a first name basis), he was also gung-ho on his invention of the vacuum tube. Unfortunately, he stopped when he designed, produced, and patented a 2-element tube (the diode). It, of course, filled the tremendous need at the time for a rectifier for power supplies - and as a replacement for the crystal detectors in receivers. Cunningham at RCA beat him to the punch by patenting the addition of a grid for the triode.

I used to love to sit in the big recording studio where the soloists would sing into big ornate wooden horns with big diaphragms driving the cutting stylus. I personally knew Enrico Caruso, Madam Schuman Heink, Billy Jones & Ernie Hare - (the Happiness Boys) and a host of the biggest of the big names in that recording studio.

When my aunt died, I fell heir to my uncle's book of all of his patents. As an employee of Edison, all the patents were in my uncle's name ASSIGNED TO EDISON. For years, it used to kill me to hear stories of how things had been invented by the wizard Edison (like the rotary shutter on movie projectors that ended the era of "flickers") and then find the patent in my uncle's name in the big fat book of Patents.

I could write a book. . . . Harvey



WE'LL HAVE TO MAKE THIS ONE A FAMILY MEMBER—SHIP--- HE'S NOT ALLOWED OUT AFTER DARK WITHOUT HIS PARENTS

Display with pride your personalized, enhanced

STATION ID



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LICENSE CLASS (IF DESIRED) _____

NAME _____

STREET _____ CITY _____

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DATE OF ORIGINAL LICENSE _____

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3. _____ 4. _____

Mail your order to QCWA Headquarters with your check. Allow about 3-4 weeks for delivery

This is a wonderful addition for your shack and the frames are real wood and come with Plexiglas for safety and durability.

1996 QCWA QSO Phone Party Logs

Compiled by Don Bice, W4PCO & reviewed by Bob Kleiber, KR8G

Call	Name	Chap.	Score	QSOs	Mult.	Call	Name	Chap.	Score	QSOs	Mult.
1	W4WKQ	JOHN	84	19710	219 90	56	K4AXB	CHARLES	45	462	22 21
2	VE3CT/W4	CROFT	70	18630	207 90	57	K4IJK	JANICE	32	459	27 17
3	W6FQ	HERB	7	17100	190 90	58	K8CPW	BUD	10	456	24 19
4	AV4VG	PHIL	89	17015	205 83	59	W3FYA	DOC	AL (MD)	418	22 19
5	K9CLO	BILL	AL (IN)	15552	192 81	60	K1HTN	BRUCE	112	396	22 18
6	K5DLE	GENE	63	14062	178 79	81	W7BKB	GEORGE	104	375	25 15
7	AE7B	DAVE	140	13182	169 78	62	WØDFT	RAY	19	357	21 17
8	W4COW	WES	32	12710	155 82	63	K4VN	WENDELL	49	352	22 16
9	W4GXZ	BLANCHE	128	12367	149 83	64	W4NWF	BOB	53	352	22 16
10	WB4DRF	AL	45	9230	142 65	85	K5IGB	RON	63	340	20 17
11	W7HUY	DICK	AL (WA)	8142	118 69	66	W2VEX	NORMAN	65	336	24 14
12	WA5RNV	IVAN	38	7865	121 65	67	VE3MO	HARRY	73	304	19 16
13	K2FJ	KEN	65	7250	125 58	68	KF5LO	TED	166	294	21 14
14	W1WW	GEORGE	89	6960	116 60	69	W3JWH	BILL	150	288	18 16
15	K6SS	LEN	130	6834	102 67	70	AL7MZ	ROY	92	272	17 16
16	W5TPU	JACK	72	5353	101 53	71	NS3O	GEORGE	6	255	17 15
17	KØORB	BILL	35	4900	100 49	72	WØJRN	JIM	58	255	17 15
18	W1KKG	SPERRY	149	3920	80 49	73	W6EKM	WALTER	130	252	18 14
19	WA9CCQ	KARL	2	2993	73 41	74	KD3JA	JIM	23	247	19 13
20	WB3KMX	RON	150	2912	56 52	75	KI6KJ	RUSS	169	224	16 14
21	WØTRO	KEN	58	2646	63 42	76	W1DO	ERNEST	112	216	18 12
22	W4YE	BUD	91	2624	64 41	77	K2WW	CHUCK	16	210	15 14
23	WA9ENA	DALE	2	2484	69 36	78	W8LIL	BILL	9	210	15 14
24	W8HU	JOE	9	2479	67 37	79	W9YCV	LESTER	55	208	16 13
25	DL6NB	HANS	106	2379	61 39	80	K9BSL	JAY	128	200	20 10
26	W3TFA	STAN	23	2294	62 37	81	K3SWZ	GLENN	37	192	16 12
27	W9REC	BILL	2	2268	63 36	82	WØWLN	ROBERT	162	168	14 12
28	W1KHL	CAL	149	2145	65 33	83	W3MDO	ERNEST	33	168	14 12
29	W2QI	TOM	65	2015	65 31	84	WB2EJT	BERNARD	138	150	15 10
30	K2IC	EARL	138	1920	60 32	85	W5QVS	JAY	63	150	15 10
31	VE3MMQ	GEORGE	73	1792	56 32	86	W1CJJK	BILL	183	144	12 12
32	W8WVM	ARNOLD	30	1740	60 29	87	W9MKL	BILL	2	136	17 8
33	W3LR	DON	17	1537	53 29	88	W2DME	PHILIP	138	135	15 9
34	W3TDF	RAY	17	1484	53 28	89	W2DTP	AL	138	108	12 9
35	W2OD	BOB	138	1400	50 28	90	W7LQU	RED	160	100	10 10
36	W5LJI	CLIFFORD	63	1292	38 34	91	W5CJZ	BARNEY	41	100	10 10
37	WA6HXE	JOHN	160	1178	38 31	92	W6NT	RAY	7	99	11 9
38	W9LOB	AL	2	1176	42 28	93	W3WM	ART	32	99	11
39	W9PHJ	HERB	162	1080	40 27	94	W3FZT	LEWIS	137	99	11 9
40	W8WOJ	DON	27	1080	40 27	95	K4BAI	JOHN	AL (GA)	90	10 9
41	WD9DJD	PAUL	2	1040	40 26	96	W3PVO	GEORGE	150	88	11 8
42	W6RXD	ED	7	832	32 26	97	K4AVH	BILL	32	81	9 9
43	W2KGI	BOB	96	792	33 24	98	WØPEX	AL	123	80	10 8
44	W300J	MAC	5	782	34 23	99	W5KL/MO	LELAND	90	64	8 8
45	WB9HDI	CHARLES	AL (WI)	759	33 23	100	WA9JMO	LAWRENCE	162	64	8 8
46	W3FYK	BILL	17	660	30 22	101	W5NCB	WALKER	52	63	9 7
47	W5EFB	JIM	27	660	30 22	102	W2RPZ	ED	148	56	8 7
48	KA5ENU	JACKIE	63	646	34 19	103	KR8G	BOB	128	49	7 7
49	W1PB	CHARLES	107	588	28 21	104	W9ZEN	JOHN	59	25	5 5
50	W2EWT	BILL	65	510	30 17	105	WØODD	ED	AL (KS)	25	5 5
51	K4IVZ	GERALD	45	500	25 20	106	W9ZSW	ROGER	32	24	6 4
52	W3TPW	BERT	122	500	25 20	107	KL7AVX	MAC	92	16	4 4
53	WB2CJE	HAROLD	138	494	26 19	108	W5UZV	WILLARD	63	1	1 1
54	W9WYN	JACK	AL (IL)	493	29 17	109	DL9PR	HERMANN	106	1	1 1
55	W8YDJ	"KG"	142	475	25 19	110	UA4ZA	VLADY	AL (UA)	1	1 1

1996 QCWA QSO CW Party Logs

Compiled by Art Monsees, W4BK, and Bill Bell, K4AVH

	Call	Chap.	Name	Score	QSOs	Mult.
1	K4LTA	60	Bill	29,000	290	100
2	W6ASH	11	Walt	22,264	242	92
3	W4YE	91	Bud	21,840	240	91
4	W5KL	91	Leland	21,805	245	89
5	K9CLO	AL	Bill	14,596	178	82
6	W4XD	AL	Joe	13,248	184	72
7	W3AWU	91	Al	13,072	172	76
8	W4WKQ	84	John	11,340	162	70
9	K7BZ	16	Stan	10,286	139	74
10	K2AA	45	Norm	9,798	138	71
11	W2HI	AL	Alex	9,760	160	61
12	W0MHS/7	160	Dave	9,636	146	66
13	K4BAI	AL	John	9,591	139	69
14	K0ERM	102	Dave	9,100	130	70
15	W5EFB	27	Jim	8,379	133	63
16	W2MM	HQ	Gene	7,920	120	66
17	K9UQN	AL	Don	7,808	122	64
18	AA8AN	AL	Ron	7,800	120	65
19	K2FJ	65	Ken	7,200	120	60
20	DL6NB	106	Hans	6,840	114	60
21	K6SS	130	Leon	6,566	98	67
22	W8QM	10	Cliff	6,360	120	53
23	W4BK	32	Art	5,916	102	58
24	WA2FVL	138	John	5,610	102	55
25	W3TDF/4	17	Ray	5,562	103	54
26	W3ABC	23	Hugh	5,151	101	51
27	W3TFA	23	Stan	5,035	95	53
28	K2IC	138	Earl	4,693	92	51
29	AC0S	58	Dean	4,293	81	53
30	W3FYK	17	Bill	4,176	87	48
31	W9REC	2	Bill	4,128	86	48
32	W2KTF	AL	Chas	3,772	82	46
33	K6BPB	AL	Lewis	3,700	74	50
34	K5DLE	63	Gene	3,600	72	50
35	W8HU	9	Joe	3,520	80	44
36	W6NT	7	Ray	3,478	74	47
37	W9HR	162	AL	3,196	68	47
38	WA5MUF	AL	Bill	3,139	73	43
39	W4TYU	60	Jean	3,075	75	41
40	WA5RNV	38	Ivan	2,925	65	45
41	W1KHL	149	Cal	2,769	71	39
42	W9MY	AL	Walt	2,584	68	38
43	W0CP	58	Walt	2,378	58	41
44	N9EAY	55	Cyr	2,360	59	40
45	VE3KKQ	73	George	2,340	60	39
46	W9ACU	AL	Francis	2,200	55	40
47	W0JRN	58	Don	2,115	47	45
48	W4HU	91	John	1,998	54	37
49	W3BY	150	Bill	1,953	63	31
50	W4ZC	23	Jack	1,890	54	35
51	K4IX	119	Bus	1,734	51	34
52	W9GIL	55	John	1,700	50	34
53	W0IZV	58	John	1,650	50	33

	Call	Chap.	Name	Score	QSOs	Mult.
54	VE3CT/W4	70	Croft	1,584	48	33
55	W0AP	25	Mac	1,485	55	27
56	W6BIP	11	Bip	1,419	43	33
57	W1WFZ	112	Fred	1,419	43	33
58	W3PLI	37	George	1,320	44	30
59	W7GB	87	Don	1,280	40	32
60	W9MKL	2	Bill	1,260	42	30
61	AL7MZ	AL	Roy	1,247	43	29
62	W6NVN	16	George	1,160	40	29
63	W3OOJ	5	RV	936	36	26
64	W1JSM	112	Don	875	35	25
65	W8QCU	9	Don	837	31	27
66	W5LJI	63	CC	810	30	27
67	WB3KMX	150	Ron	725	29	25
68	W4KWS	62	John	713	31	23
69	W2RPZ	148	Edgar	700	28	25
70	W13U	122	Henry	696	29	24
71	W2OD	138	Bob	640	32	20
72	AE9Q	AL	Walt	550	25	22
73	W6IFC	99	Lyman	525	25	21
74	W2VEX	65	Norm	460	23	20
75	K6CJ	AL	Phil	456	24	19
76	W3NGO	122	Dick	437	23	19
77	AB2N	138	Arnold	414	23	18
78	W5CJZ	41	Barney	375	25	15
79	K4AXB	45	Charles	360	20	18
80	DK9LG	106	Gerd	360	20	18
81	K4RT	53	Bill	340	20	17
82	DL1SF	106	Art	270	27	10
83	WB2CJE	138	Hal	256	16	16
84	WB4FSF	45	Bonnie	240	16	15
85	K14KR	60	Dick	221	17	13
86	K4LMB	91	Ethel	204	17	12
87	K7LNS	168	Fred	182	14	13
88	W2KGI	96	Bob	169	13	13
89	DL6DV	106	Ernst	144	24	6
90	K2WW	16	Chuck	117	13	9
91	DJ3LR	106	Hans	112	14	8
92	W2IRU	65	Henry	90	10	9
93	W2QI	65	Tom	90	10	9
94	W5UZV	63	Willard	64	8	8
95	AA4WX	60	Charles	36	6	6
96	W6FQ	7	Herb	28	7	4
97	W8IJ	37	Dave	16	4	4
98	W5VIA	AL	Andrew	16	4	4
99	W0RBO	AL	Marc	16	4	4
100	DL3ME	106	Gerd	14	7	2
101	NS3O	6	George	12	4	3
102	DL0QCW	106	Albert	9	9	1
103	W1ALE	AL	Ed	9	3	3
104	DL9PR	106	Hermann	6	3	2
105	DJ2ZB	106	Ewald	6	3	2
106	W3TPW	122	Bert	4	2	2

Milt Chaffee, W1EFW, Silent Key

Milt was born 3/29/13 in Connecticut and spent most all of his life there. After highschool he joined a bank as a teller. In December of 1941 Milt joined the Civil Air Patrol and was discharged from that group in August of 1942. He then entered the Army and was discharged in April 1946 with the rank of T/SGT.

He then returned to the banking business in 1946 and after a number of years he became the president of the bank and retired in April of 1975. Milt was married in 1941 and widowed in 1947. In 1948 he married Katherine and she survives his death. Milt had two children, both living.

He was very active in his community on police, housing and parking authorities groups and the Chamber of Commerce. He was a director and president of two insurance companies during this time. He also served as a director of the ARRL from 1957 to 1964. He was elected as a director of the QCWA and was serving in that capacity at the time of his death.

Milt was a quiet person who gave a lot of himself to amateur radio. He was a good friend and QCWA will miss his presence at their Board meetings. **Jim Walsh, W7LVN**

SILENT KEYS

with sadness we record the passing of these members

W1AI, William A. Teso, #11134, Bloomfield, Conn.
W1EFW, M. E. Chaffee, #02677, Southington, Conn.
W1HY, Howard W. Hollis, #13334, Jaffrey, N.H.
W1ITU, Donovan A. Robertson, #15608, Cape Elizabeth, Me.
W1OMN, Robert E. Mc Elroy, #17025, Danvers, Mass.
W1SVT, Philip S. Drake Sr., #17344, Derby, Vt.
K1WUS, Philip Thompson, #24780, Poland, Me.
W2CCG, Howard M. Crosby, #05179, Syracuse, N.Y.
WA2FWW, Richard B. Erhardt, #21298, North Syracuse, N.Y.
W2NTW, Matthias R. Horn, #05571, E. Brunswick, N.J.
KB2OOR, William D. Godbey, #28078, Ossining, N.Y.
W2RIZ, H. Edwin Preston, #08361, Tully, N.Y.
KM2V, Anthony Masi, #26095, Massapequa, N.Y.
W2YYN, Carl Rossbach, #01865, Gloversville, N.Y.
W3APG, David Ferguson, #00635, Pittsburgh, Penn.
VE3BTP, Ken Lusty, #21161, Port Colborne, Ont.
W3ONP, Myron Zuk, #18266, Charlottesville, Va.
K3VUM, Clement E. Semper, #22717, Nazareth, Penn.
AA3Y, Benjamin H. Oliver Jr., #12422, Bethesda, Md.
W4DMZ, Rodman E. Scott, #25660, Brunswick, Ga.
W4HYW, Thomas M. Moss, #04904, East Point, Ga.
N4LMW, Arch Colquhoun, #24425, Venice, Fla.
W4RRS, Haven O. Hood, #10692, Knoxville, Tenn.
W5AMK, Merrill Eidson, #07150, Temple, Tex.
W5BKK, J. A. Edinborgh, #10552, Spring, Tex.
W5BQE, Eugene M. Sundt, #11951, Albuquerque, N.M.
W5CI, M. B. Patterson, #14224, Dallas, Tex.
W5HN, Leroy W. May Jr., #05921, Dallas, Tex.
W5JCT, R. L. Stanford, #16155, Hardy, Ark.
K5MOF, Aubrey G. Armstrong, #16520, San Antonio, Tex.
W5PBA, Hulon R. Byrne, #12362, Baton Rouge, La.
AB5QA, Chester Pierce, #26377, North Little Rock, Ark.
W5UWT, Robert L. Melberg, #11824, Kerrville, Tex.
KJ5YL, Henry M. Hoffmeyer, #24962, San Antonio, Tex.

W6AGN, Merwin J. Fickas, #10584, Pismo Beach, Calif.
W6ALQ, Max Anders, #25643, Ennis, Mont.
W6HHN, Irwin R. Wolfe, #00245, Palo Alto, Calif.
W6KO, E. C. Callahan, #01667, Pebble Beach, Calif.
W6LEY, Stan Sievers, #03783, Fairfield, Calif.
W6NSK, Blake V. Blakey, #07862, Newhall, Calif.
VE6WRA, William R. Atherton, #24903, Lacombe, Alberta
W6YTT, Raymond A. Fay, #08123, Galt, Calif.
KC7AP, Jon Tompkins, #26844, Fitzpatrick, Ala.
W7BP, Charles F. Blake, #01106, Sun City, Ariz.
W7HDT, Rowland S. Unruh, #10306, Clarkston, Wash.
KB8AT, Paul D. Hauser, #12413, Dayton, Ohio
W8CTP, R. T. Peck, #04477, Euclid, Ohio
W8KSE, Jules I. Wittebort, #12915, Kettering, Ohio
W8LCU, Ralph L. Burch, #09718, Branch, Mich.
K8LCW, Norman C. Inman, #18560, Northwood, Ohio
W8LS, John L. Peer, #07727, Arroyo Grande, Calif.
W8SFJ, Arthur L. Peters Jr., #13607, Dayton, Ohio
W8YNA, John E. Westphal, #16472, Toledo, Ohio
W9HPW, Edmund P. Kelly Jr., #11899, Chicago, Ill.
W9JZA, Gilbert G. Galambus, #04523, Hammond, Ind.
W9HPW, P. Dmund Jr., #11899, Chicago, Ill.
W9JZA, Gilbert G. Galambus, #04523, Hammond, Ind.
W0CY, James E. McKin, #03683, Salina, Kan.
K0IUN, Ernest C. Wharfield, Jr., #11574, Aurora, Colo.
WA0IWF, Frank M. Wolczak, #24489, Omaha, Neb.
K0ROL, Oakley L. Stockton, #17834, Colorado Spring, Colo.
KA0SGS, Richard C. Stevens, #21120, Fort Collins, Colo.
W0WHK, Bruce L. Brewer, #20015, Kansas City, Mo.

Please Note: Before we can publish SK information we need an obituary notice, funeral notice or a note from a family member. Please send all information to QCWA Headquarters.

report covered several areas of activity, namely: Operating Activities, Activities Manager, Convention Coordinator and Taping Coordinator for the blind. Considerable discussion ensued over interference problems experienced by members in the QSO Party. Pres. McCoy discussed the matter reading excerpts from letters he had received. Activities Manager, J. Strom, K9BSL provided the Board with QSO Party results.

Proposed New QSO Party rules for our QCWA Golden Anniversary QSO Party were presented to the Board by J. Strom - they had been provided to him by Dave Fischer, WØMHS. Details of the QSO Party will be published in later issues of the Journal. Good input was received from Dave Fischer, WØMHS and also from Leland Smith, Jr, W4YE. This was discussed and will be presented to the committee.

The Convention Coordination report was provided by Treas. Wes Randles. He advised that the 1996 Convention will be held Oct 4 thru 6 in Ottawa, Canada. George Roach, VE3BNO is the Chairman. This will be our first QCWA Convention held outside the continental U.S.A. He also advised that the 1997 Convention, our 50th Anniversary, will be held in Kansas City, Mo. on Oct. 10 thru 12. The Mid Continent Chapter #35 will be the host Chapter. The Leo Meyerson Chapter #154 will host the 1998 Convention. Don Doughty, W6EEN is Chairman. It will be held in Palm Springs, CA. The dates are not firm at this time.

Report on Taping Coordinator for the Blind was provided by Wes Randles for Blanche Randles. The program continues to be well received - she advises that 68 members are now on the list to receive the tapes. She reminded the Board to remember the taping program when attending Chapter meetings, Hamfests and participating in QCWA nets. Also, to put a reminder in our newsletters.

The Plans and Program report was provided by Walt Brink, W3WPY. His committee has been looking at ongoing programs and will present a full report at the fall meeting in Ottawa. Some of the subjects under consideration are: Term limits for Officers and Directors. What should be done with the building fund. Should the Spring Board meeting be abolished. Director Brink cited the Scholarship program and the Taping program for the Blind as our top programs. He offered kudos to the GM for outstanding service. He also offered kudos to the Finance Committee indicating our investments are stable and productive. Special thanks were offered to outgoing Officers and Directors including W1EFW (Deceased), W1RW and W4COW for their years of service. Special thanks were extended to our outgoing President Lewis McCoy, W1ICP for his unusual force of stability, humor and common sense all the years he has served QCWA. McCoy was cited as responsible for our improved financial picture.

The Publicity & Awards report was provided by Director Jack Troster, W6ISQ. Troster indicated that Chapters were reluctant to nominate members of their own Chapters. Committee member Ethel Smith, K4LMB, suggests Member of the Year award be given every year. Special national awards are being considered for the Ottawa Convention. Several names were brought up for consideration - motions were made and passed. Troster continues our publicity efforts with QST, Worldradio, Florida Skip and Electric Radio. He advises our "home page" is in operation and is attracting about 600 "hits" a month.

Constitution & By-Laws. Changes and additions to the C & B Ls had essentially been completed by Director Ed Yoder and Jim Walsh. It was moved and passed that Secty Swafford would take the position as Chairman.

Scholarship Fund report by Leland Smith. He advises that the balance in the QCWA Memorial Scholarship Fund is \$148,140; an increase of \$16,218 over the \$131,922 reported in the Fund at Manchester, NH Board meeting last October.

This substantial increase in the Fund was due to a large contribution by one member, a sizeable gift from the sponsors of the Manchester Convention, a significant gift from the estate of a Silent Key, and an increase in the number of gifts from Chapters and individual members. As approved by the Board, one \$1,100 cash grant and thirteen \$700 cash grants are being administered this year for QCWA by The Foundation for Amateur Radio.

Hugh Turnbull, W3ABC, Chairman of the FAR Scholarship Committee, advises that to date he has received 285 requests for information and application forms for the 58 scholarships being funded by the organizations his committee serves.

Balance in the QCWA Building Fund is \$31,518, an increase of \$300 over the October, 1995 balance.

International Relations. Director Croft Taylor, VE3CT, presented the report indicating that he had spent most of this reporting period on the Ottawa Convention.

A note of interest: All U.S. visitors are eligible for a refund of the 7% GST (Goods & Services Tax) upon returning to the US, and in some cases, the 8% Provincial Sales Tax as well.

FCC Liaison. This report was provided by VPres. Kelleher and Pres. McCoy. The vanity call sign program has slipped to the middle of the year and maybe further. At press time it has been indicated that the vanity call sign program will probably begin on May 31, 1996. The matter of Morse code decision brought up at the WRC in 1995 was postponed until 1999.

QCWA/ARRL Liaison. President McCoy advised that he had written ARRL President Rod Stafford suggesting that Pres. Elect Kelleher be appointed to any joint committees dealing with the future of ham radio. Stafford was reluctant to take a firm positive position on the matter. There is no rift between the ARRL and the QCWA at this time.

Concern for the Future of Ham Radio. Candidate Tony Stalls had written a paper to the QCWA Board about a year ago and Jack Kelleher had wanted the Board to read it and respond if possible by letter. At any rate Tony gave a very sobering summary of his assessment of the Amateur Radio situation today. It was generally accepted that Johnny Johnson had done more for amateur radio than anyone else at the FCC. There have been statements made that the FCC is getting or should get out of the enforcement business - that they will eventually auction off our frequencies. Commissioner Hunt believes that the hams should pay for the use of our frequencies.

Response from McCoy and Kelleher both agreed that now is not the time to bash the FCC and that the ARRL has formally advised the FCC what a poor job they are doing.

Board Member Ethics. Director Croft Taylor presented the Board with a proposal on Board Member Ethics. The statement before the Board stated: QCWA Board will hold elections every two years; No officer shall attempt to influence these elections by dissemination of information on Association letterhead. QCWA stationery shall be used only for transacting official business and for advising members of official Board decisions. The meeting was adjourned at 16:30. W4HU

An Historical Sketch of the Grand Island Monitoring Station

by John McKinney, WØAP, Engineer in Charge 1968-1978

P.O. Box 186

Dannebrog, NE 68831



Grand Island Monitoring Station in 1970.

To old-timers in radio certain place names stood out: Arlington, Virginia; Chatham, Massachusetts; Rocky Point, Long Island; Bolinas, California; Grand Island, Nebraska. These were locations for powerful transmitting facilities; all but the latter which was known for its unique ability to receive radio signals, much to the chagrin of commercial and amateur operators alike. The establishment, in 1929, by the Radio Division of the US Department of Commerce, of its first radio monitoring station was soon to spread the name of Grand Island, Nebraska around the globe.

The phenomenal growth of radio broadcasting (AM radio), from its inception in a Pittsburgh, Pennsylvania basement (1921 - KDKA) was cause for concern in the regulatory agency and the new industry itself. New stations, licensed and unlicensed, were springing up almost daily and if order was to be preserved it was conceded that a monitoring facility was needed. Although the growth of broadcasting was no doubt responsible for the construction of the Grand Island Monitoring Station and the choice of a location in the approximate center of the United States, the regulatory functions of the establishment encompassed all radio licensees. There were comparatively few radio services prior to 1930, the primary users being ships and coastal stations, point to point telegraph, AM broadcasting and radio amateurs, with the amateurs far outnumbering other facilities. Police and aviation radio were in their infancy and the principal means of radio communication was telegraph. Low and medium frequencies (10-3,000 kHz) were widely used and the short waves (200 meters or less) were relegated to the amateurs for whatever use they might make of them. The heart of the new monitoring station was to be a Primary Standard of Frequency, a means whereby engineers at the station could measure the frequency of received

signals to determine the compliance of licensees with their frequency assignments. Prior to this time frequency measurements were made at the transmitter site, usually with a calibrated wavemeter or decrameter. Such a system had its drawbacks and a search was made for a suitable means of "off-the-air" measurements of frequency. First consideration was the purchase of equipment utilizing an oscillating pendulum. Such a device was under study by the Westinghouse Electric and Manufacturing Company and consideration for purchase was made. In a letter to Mr. S.W. Edwards, U.S. Supervisor of Radio, Detroit, Michigan dated May 10, 1928, U.S. Radio Inspector James C. McNary wrote of his visit to the plant:

"We found the primary standard apparatus much the same as it was on a visit to the E. Pittsburgh works a month or so ago. The system apparently has not changed. The system, as will be recalled, consists of an electronically driven pendulum which is supposed to control a 5000 cycle tuning fork. The driving amplifier of the tuning

fork is supposed to furnish power for the harmonic amplifiers of the frequency multiplying system which in turn is used in the actual measurement of the received signals."

Mr. McNary goes on to describe the apparatus, pointing out alleged discrepancies in the accuracy of the system and its unsuitability for use by the government.

By way of explanation the described apparatus was to drive a clock which was to be compared daily with Naval Observatory time signals and corrected to produce an accuracy of measurement of one part in 200,000 (an accuracy of 5 cycles at 1000 kilocycles (kHz)). Considering the broadcast tolerance of + or- 50 cycles (Hertz) then in effect this was considered sufficient accuracy. The contract to purchase the pendulum standard was abandoned due to the inability of the contractor to satisfy all requirements but not before a large concrete pedestal for the machine had been poured in the basement of the new monitoring station. It stands there today, never used.

About this same time, Westinghouse was busily engaged in design of a quartz crystal frequency standard and a contract was awarded for purchase of two such standards. These were massive devices and with their associated equipment occupied hundreds of square feet of floor space in the building. Powered by batteries charged by motor generator sets, these standards continued to function and provide accurate measurement standards at this station until the mid 1950's when they were finally discarded in favor of smaller units with slightly better accuracy. The instruction book (2 inches thick) for one of the Westinghouse standards begins as follows:

Station Description

"The location for the Central Frequency Monitoring Station was chosen at Grand Island, Nebraska after an extensive search had indicated the flat prairie regions of central Nebraska to be most suitable. It is situated approximately 6 miles from Grand Island, Nebraska and about one-half mile north of the Lincoln Highway. Telephone, telegraph and power sup-



Two engineers at work inside the station.

ply are brought into the station through a half mile of underground lead covered cable. Figure 1 is an exterior view of the buildings. From left to right we see the building housing the diesel engines for the emergency power supply and the garage. Next we have the main station building and to the right of this a line of poles supporting RF transmission lines. The airways beacon tower appears at the right of the picture. This tower supports a rotating red beacon and a fixed white beacon points to the nearest airport. Figure 2 is an interior view of the main operating room showing three of the receivers. The two on the left are for intermediate frequency bands and the one to the right is used for low frequency reception. Figure 3 is another interior view of the main operating room showing one high and one intermediate frequency receiver in the foreground. To the left of the high frequency receiver is located the main standard cabinet and on either side of this are the screened rooms. The left one houses the measuring equipment and the one to the right contains the timing equipment.

Most of the antennas for short wave reception are directional and are located away from the receivers, in some cases as far as 800 feet, with transmission line lead-ins. One array receives from east or west and another from the south. For long wave reception, two large loops have been set up, at right angles, crossing at the center. A goniometer arrangement in connection with a single wire antenna permits unidirectional reception over 360 degrees. Other antennas of the half wave, single doublet type provide for reception of the intermediate wave lengths constituting the balance of the band covered."

What better description of the first monitoring station could be found! We are truly indebted to the author of this instruction book for leaving us with this picture. Speaking of pictures, the book is profusely illustrated with photographs of the equipment and its placement in our building, the instructions having been compiled after installation was completed.

The Federal Radio Commission Era

Full scale operation of the station began in 1932. No record of the first citation (Official Notice of Violation) is available but it was probably mailed out in July of 1932 and countersigned by Benjamin Wolf "Manager". (This title has since been changed to "Engineer in Charge".)

Records on hand show the names, addresses and positions of all personnel ever employed at this facility. The July 21, 1932 roster lists eighteen employees plus one Westinghouse Engineer, a Mr. S.G. Ellis, probably putting the finishing touches on the new frequency standard installation. Curiously there are three diesel engineers listed. These can be explained by the fact that originally this station was equipped to generate its own power, there being no commercial power available. This was corrected in 1932 and the diesel plants relegated to stand-by use. By comparison, the August 1933 roster lists but ten persons including but one diesel engineer/custodian, a Mr. Lewis S. Anderson who remained with us until the 1950's when he retired. The complement of ten persons remained unchanged throughout the thirties except for replacements and transfers. By 1940, five of the original employees were still at the station, being Benjamin Wolf, Manager; George Jensen, Radio Inspector;

Maxine Grey, Clerk; Lewis Anderson, Diesel Engineer and George Harr, Janitor.

The Communications Act of 1934 saw the birth of the Federal Communications Commission and an expansion of the powers of the regulatory agency. The high frequencies (short wave) were now in full use with new radio services being established and licensed each year. The VHF (very high frequency) spectrum was put to use first by the amateurs and then by a myriad of mobile services such as Public Safety, Industrial and Land Transportation.

A major project carried out at Grand Island and at a few other select locations and one that lasted for some 20 years was the study of the effect of sunspots on radio propagation. For this purpose a recorder house with numerous receivers and ink-line recorders was located on the property. Tuned to selected clear-channel broadcast stations throughout the United States these instruments recorded the received field strength of these stations year after year. Analysis of the charts from the various receiving locations enabled the Commission and the National Bureau of Standards to predict propagation characteristics of radio signals. Engineers of the station were required to service and calibrate this equipment several times each day and to extract the data from the completed charts and submit in tabular form to Headquarters.

At a later point, with the advent of early television and FM broadcasting a similar project was set up to record the field intensity of distant FM and TV broadcasters. The data so obtained was utilized by the Commission to prepare the present tables of channel assignments for these services. By having empirical knowledge of VHF propagation it was possible to provide geographical spacing of co-channel and adjacent channel assignments for maximum spectrum utilization with minimum mutual interference between stations. In the late forties and early fifties these projects overlapped for several years.

The War Years

In 1939 Congress passed the National Defense Act and the complexion of the monitoring station began a change. By this time additional monitoring stations were already in operation or rapidly being constructed across the nation. Stations came into being at Millis, Massachusetts; Marietta, Georgia; Laurel, Maryland; Allegan, Michigan; Kingsville, Texas; Santa Ana, California; San Leandro, California and Portland, Oregon to

continued next page



The author inside a mobile TV monitoring unit he designed and operated.

name a few. From these, and others designated as primary monitoring stations, crews were sent out to establish small secondary stations in rented buildings and farm houses. The chief difference between a primary and secondary station was the size of the installation and the staff necessary to operate it. Primary stations were equipped with long range high frequency direction finders, whereas the secondary stations had loop DF's in mobile units for close-in direction finding.

As our entrance into World War II became imminent, recruitment of personnel to man the newly formed network of radio monitoring stations began. Announcements of Radio Operator and Monitoring Officer positions appeared in radio trade journals and amateur publications. Applicants were required to have an entrance code speed of 25 WPM, preferably with commercial as well as amateur radio operator's licenses. Training centers were set up at the primary monitoring stations with Grand Island in the forefront. Key personnel from the "Routine" division of the FCC staff were elevated to supervisory position in the NDO (National Defense Operations) and in 1940 alone 84 trainees arrived at Grand Island in four different classes spaced about 3 months apart. After a training period of from 3 to 4 months most of these were transferred to other locations. In all, 247 persons received training here by July 1, 1946 when the Radio Intelligence Division (formerly NDO) was again merged with the Field Division.

Through the war there were two distinct operations at the monitoring station. The Field Division personnel, known as "Routine", continued in their role of routine enforcement and the newly-formed and much larger Radio Intelligence Division surveyed the spectrum for clandestine and espionage activities. For this operation equipment facilities were greatly expanded and operational techniques devised that made it virtually impossible for any radio transmission to go undetected for even a short period of time. By war's end the RID had handled and solved nearly 200 cases of radio espionage or suspected espionage activity.

In 1941 acquisition of an additional 80 acres of land opposite the front of the station property provided space for nine new rhombic antennas arranged in a semicircle and spaced 20 degrees apart. Eighteen transmission lines supported on H frames crossed the front lawn to the main building. These rhombics were the "ears" of the RID.

An experimental Adcock type high frequency direction finder was fabricated in 1939, the first of many to follow. Resembling a small plywood shack on stilts with a hand-wheel rotated pipe boom supporting two vertical shortened dipoles the original affair was crude by today's standards but provided remarkable results. All equipment in the Adcock was self-maintained including batteries for receiver power. When it was necessary to take a bearing on a signal the operator ran to the structure, located in the center of a clear area, climbed a ladder, tuned in the signal and rotated the hand wheel to obtain his bearing.

A more sophisticated but still manually operated model dubbed the Type A Adcock followed. On busy watches these were manned full time and a VHF transceiver employed for a talk line

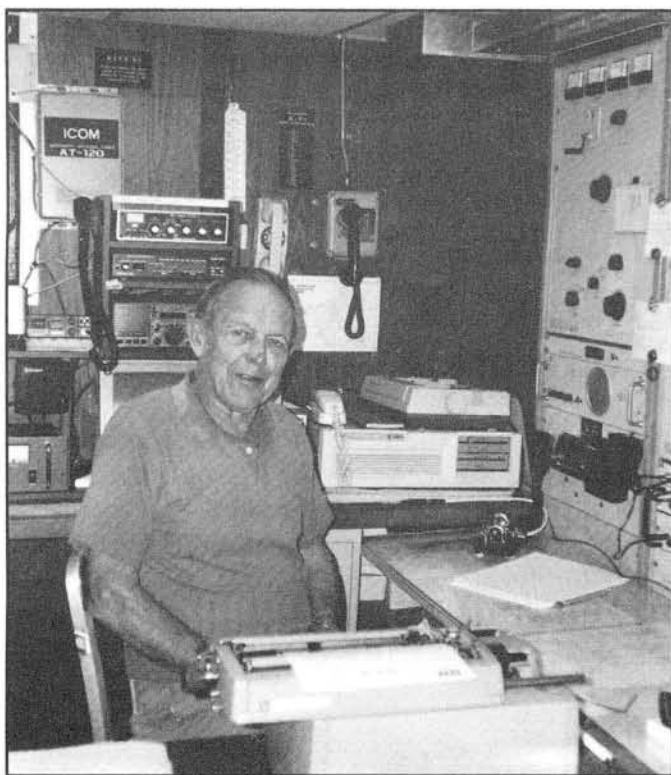
to the station. The next step was the Type B. This was a Type A modified for remote control by means of a prop-pitch motor and magnetic clutch arrangement. By this time power had been brought into the Adcock building and battery operation eliminated. This improvement came after the war. Later improvements led to the Type C, still in use and the Wullenweber DF, a different concept in direction finding.

Communications

Until the advent of World War II there was little need for a system of rapid communications between Commission offices. With the growth of the monitoring system and the introduction of direction finding facilities a means was required for coordinating operations and transmitting bearings to a plotting center for triangulation. Message traffic was handled between Washington and the primary monitoring stations by TWX. This took care of volume traffic but was unsuited for rapid exchange of information. RID established a CW network between all of its offices and monitoring stations. Using tactical call letters, a wide range of frequency assignments and encoded alert procedures, monitoring personnel manned what was probably the most elaborate radiotelegraph network ever assembled. Net control facilities were located at Laurel, Maryland and San Leandro, California, handling the European War or Pacific War traffic separately or jointly as the needs demanded. By this time monitoring stations had been set up in the Hawaiian Islands, Alaska, and Puerto Rico.

By war's end a leased private line Teletype circuit (land line) connected the primary stations with monitoring control in Washington, DC and the radio circuits extended this facility to the secondary stations as well as providing for back up in case of line failure.

With the closing of the secondary stations after the war the remaining stations were all connected by private line Teletype (PLT) and the radio facilities used solely for standby purposes, except for extension of communications to overseas points. Grand Island was designated as the new net control facility. Soon the use of CW was abandoned in favor of radio Teletype and all stations so equipped. At the present time GI



In 1989, at the age of 71, the author went back to sea as a radio operator.

maintains the radio Teletype communications between our overseas stations and monitoring control and provides a center for emergency RTTY communications between all stations in the event of line failure.

Post War Era

As previously stated 1946 saw the merger of the Radio Intelligence and the Field Division. Personnel with career aspirations and potential were absorbed by the various field offices and remaining monitoring stations, others left for private industry or more lucrative fields. Hiring was at a standstill until early in the fifties. Surveillance type monitoring persisted throughout the "cold war" but a gradual transition to enforcement monitoring took form.

Mr. Wolf retired in 1947 and was replaced by Arthur A. Johnson, a veteran FCC engineer with expertise in DF location and construction. Mr. Johnson served as Engineer in Charge for 20 years, retiring in 1967.

The post-war years created a new dimension for our direction finding network: the locating of ships and planes in distress. As most craft were then equipped with high frequency transmitting apparatus it followed that the FCC network was in a position to fix the location of lost aircraft and vessels. The peak of such assistance was probably reached in the early 1950's when as many as 3 or 4 such assists might occur in a week's time. With the transition to VHF communications and the introduction of sophisticated electronic navigation devices the need for FCC assistance declined but on occasion we render such assistance today.

Balloon Tracking

An interesting project involving our DF network took place in the 1950's. In cooperation with other governmental agencies the Field Engineering Bureau contracted to provide "location fixes" on high altitude free floating balloons. These bal-

loons, measuring a hundred or more feet in diameter, were being launched from various points in the country in a study of the high altitude air currents (jet streams). Each balloon carried a small radio transmitter that transmitted temperature and altitude information in coded data form. Constant tracking of the course of the balloon and copying of the code groups was accomplished by our organization. Many of these craft traveled in excess of 100 MPH and from coast to coast. The retrieval of the "package" at the end of flight was of utmost importance and when the balloon was "shot down" by a command radio signal our fixes became increasingly important.

Mobile Monitoring

The post-war era saw a boom in VHF/UHF frequency usage. In the broadcast field TV and FM were new words on everyone's lips. Aviation and marine radio moved, at least in part, to the very high frequencies. Virtually every taxicab in America acquired a radio. Police, contractors, veterinarians, railroads, telephone companies and hosts of others were assigned portions of the VHF/UHF spectrum. Due to the limited range of the higher frequencies a new approach to monitoring enforcement took place.

As a preliminary program the FCC began operation of a mobile TV-FM enforcement vehicle. The first such vehicle was based at Laurel, Maryland at the Commission's laboratory. When a second vehicle was added it went to the west coast. The third such vehicle operated from Grand Island. Equipped to make the many engineering measurements required for enforcement of the TV and FM regulations these vehicles travel thousands of miles each year monitoring and inspecting the television and FM broadcast stations in their area.

A similar approach was initiated for monitoring the mobile VHF/UHF services. First underway in the mid 1960's the program has expanded to the present day. Due to the overwhelming numbers of licensees in the VHF services the major portion of our work is now devoted toward this end. Grand Island has two such mobile monitoring vans covering a ten-state area comprising roughly one fourth of the contiguous 48 states.

A third type of mobile monitoring is conducted from here - microwave monitoring. A vehicle equipped with receivers, dish-type antennas and spectrum analysis equipment covers an eight-state area driving from microwave tower to microwave tower measuring frequencies, bandwidth and making base line analysis of microwave systems.

Due to its unique geographical location in the center of the US one of the first Citizen Band enforcement units was established in Grand Island in 1973. From here a team of specially trained engineers in DF equipped vehicles travel throughout mid-America tracking down violators of the Citizen Band rules and locating unlicensed operators.

Conclusion

The present area of the Grand Island station comprises 200 acres of land, 160 acres dedicated to monitoring purposes and 40 acres used for antennas and buildings for the transmitting complex (RTTY). Buildings are essentially the same as originally planned with the addition of a transmitter house and an office building for the Special Enforcement Facility (CB). Total staffing is about 18 persons as follows: 8 engineers, 6 technicians, 3 clerical and 1 custodial.

On January 16, 1973 the Grand Island Monitoring Station was entered in the National Register of Historic Places, the first FCC property so designated and indeed a distinct honor.

It will close down in June, 1996. W0AP

1996 International Convention

Ottawa Canada's Capital October 4th & 5th, The Next QCWA Convention

The Citadel Ottawa Hotel and Convention Centre, a great downtown location just steps to the Parliament Buildings, museums and Ottawa's best in downtown shopping, will be the scene of activity. The hotel boasts of having the largest hotel fitness club and swimming pool in the city. Of its 411 rooms, 75 have been reserved for the QCWA Convention. By contacting the hotel before September 3rd and mentioning the QCWA, you can be assured of the special rate indicated in the registration form.

Interesting and entertaining amateur radio and general interest sessions will include:

- | | |
|---|------------------------|
| * The Fessenden/Marconi Story | Jack Belrose, VE2CV |
| * Super Antennas | Gerry King, VE3GK |
| * The CFRA Move | George Roach, VE3BNO |
| * Moonbounce at the Algonquin Observatory | Dennis Mungham, VE3ASO |
| * Packet Radio- The Ottawa Experience | Barry McLarnon, VA3TCP |
| * Push-to-See: New Video Repeater | Bill Westbrook, VE3EKA |
| * IARU Update | |
| * QCWA Forum | |
| * A Vintage Radio Display | |
| * The UFO Story | |
| * Friday Night "Meet & Greet" | |
| * Saturday Night Reception & Banquet | |

A double-decker bus city tour has been arranged, as well as our own coach for a steam train excursion through the beautiful Gatineau Valley in Quebec at the peak of its colourful autumn foliage. Within walking distance of the hotel, many places can be visited, such as the Canadian Parliament Buildings, National Art Gallery, Museum of Contemporary Photography, National Archives, National Library, Supreme Court, etc. Other points of interest can be found in the Museum of Civilization, Museum of Nature, National Aviation Museum, War Museum, National Postal Museum, Agricultural Museum at the Experimental Farm, and the Royal Canadian Mint. This, along with shopping in the many boutiques and malls, where the US dollar buys more than the Canadian, should prove to be an enjoyable experience.

After the Convention, a 4-1/2 hour trip to Toronto, the world's leading city for live theatre (after London and New York), a visit to Niagara Falls (a further 1-1/2 hours), or to the east of Ottawa, a 2-1/2 hour drive will take you to Montreal where a French atmosphere and French cuisine will add to your Canadian visit. Of course, the province of Quebec is just across the Ottawa River from the Convention locale with the city of Hull, which is part of the National Capital Region. And, the autumn is such a pretty time of year in Canada!

Chapter 70 looks forward to welcoming you to Canada and to the 1996 QCWA Convention!

" A Capital Idea! "

Advance Registration

1996 QCWA

National Convention

Ottawa Canada

4-5 October 1996

Hosted by:

National Capital Chapter No. 70

at the Citadel Inn, 101 Lyon St., Ottawa,
Ontario, Canada, K1R 5T9



(75 rooms have been reserved at \$78.00 Cdn., single or double, (Seniors: \$72.00 Cdn.) Taxes/parking extra. Contact the hotel directly at 1-800-567-3600 or by fax at (613) 237-2351 by Sept. 3, 1996 mentioning QCWA to ensure special rate.)

Name _____ Call _____ QCWA# (if any) _____

Spouse/Guest _____ Call (if any) _____

Mailing Address _____

City/Town _____ Prov./State _____ Code/Zip _____

Telephone () _____ - _____ E-Mail or Packet _____

(For your convenience, the following rates are shown in both Canadian and US funds, rounded to the nearest convenient amount. Please remit using whichever currency you wish.)

Registration	No. Req'd.	Cdn Funds	US Funds
Amateur Registrant	_____	@ \$13.00 _____	@ \$10.00 _____
Spouse/Guest	_____	@ \$ 2.50 _____	@ \$ 2.00 _____
(Note: You must pre-register to attend functions listed below)			
Saturday Buffet Breakfast	_____	@ \$14.00 _____	@ \$11.00 _____
Saturday Banquet (beef sirloin)	_____	@ \$34.50 _____	@ \$27.00 _____
(roast turkey)	_____	@ \$26.00 _____	@ \$20.50 _____
Sunday Brunch	_____	@ \$19.75 _____	@ \$15.50 _____
Friday Double Decker City Tour & Tea (3 hours - afternoon tea included)	_____	@ \$18.50 _____	@ \$14.50 _____
Sunday Steam Train Foliage Tour (13:00-19:00 - 36 miles return, to visit town of Wakefield)	_____	@ \$29.50 _____	@ \$23.00 _____
Total (Cdn)		_____	(US) _____

Queries may be made via Internet: bo075@FreeNet.Carleton.Ca Packet: VE3GFI@VE3FD.#eon.on.can.noam)

or Telephone: (613) 826-2426 Advance registrations must be received by 16 September 1996

Make cheque or M.O. payable to 'QCWA Chapter 70/1996 Convention' and mail with this form to:

Carl Everson, VE3BYX, P.O. Box 4, Osgoode, Ontario, Canada, K0A 2W0

Member Supplies

Certificates

Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

QCWA Gold Certificates celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

Gold Certificates are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

Fifty Year Continuous Licensing Gold Certificate available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

Meritorious Award Certificate is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

Operating Awards

QCWA Operating Award Certificates are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

QCWA Worked 50 States Awards are issued to QCWA members who have contacted members in each state of the union.

QCWA Worked 100 Members Awards are issued to QCWA members who have contacted at least 100 QCWA members.

QCWA Worked 60 Chapters Awards are issued to QCWA members who have contacted members of 60 chapters.

QCWA Worked 500 Members Awards are issued to QCWA members who have contacted 500 QCWA members.

QCWA Lapel Pins

Without year tags, tie-tack, safety pin or screw type. Plain pins (no year) - \$10

With year tags (clutch-type only). Specify year; 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 - \$15

QCWA Life Member pin - \$5

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450 QCWA Red Stamps (regular) - \$3

450 QCWA Gold Stamps (life) - \$3

400 QCWA Yellow Stamps (50 Year) - \$3

QCWA Cap with logo - \$5

QCWA Chapter Banner - \$200

QCWA Decals - \$1

QCWA QSL cards - (see ad elsewhere)

Please send your order to QCWA Headquarters, 159 E. 16th Ave., Eugene, OR 97401-4017.

Phone (inquiries only, no orders): 503-683-0987, FAX 503-683-4181

We do not accept orders charged to credit cards.

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This form for use by all U.S. applicants
for membership in QCWA.
Effective 4/1/96

For Office Use Only

Membership No. _____

Date _____

First Licensed, Year _____

Deposit Record _____

Have you been previously enrolled in QCWA? _____

I, _____, _____
(Please Print Name Clearly) Present Callsign

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address _____ City _____ State _____ Zip _____
I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued _____ Other calls held _____
I wish to become affiliated with QCWA Chapter _____
Date of birth _____ Birthplace _____
Present occupation/business _____
If retired, what was major life work? _____
Other organizations you belong to _____
Your signature _____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans

	Members	Family	
QCWA dues for a one-year period	\$20		_____
QCWA dues for a two-year period	\$35		_____
QCWA dues for a three-year period	\$50	\$12	_____
QCWA life membership	\$300	\$90	_____
Payable in 3 equal installments of \$105 each, in a one-year period	\$315	\$105	_____
		(3 payments of \$35)	_____

Initial registration fee, all new members - \$3

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.

Tie tack _____, Screw button _____, Safety pin _____, ----- \$10 each _____

Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each _____

Total _____

Proposed by _____, **Callsign** _____, **No.** _____

Member Classifieds

FOR SALE: Official List Radiotelegraph Stations, 3rd edition June 1913. I.T.B. & supplements Nos. 8 to 14; Radio Stations of the United States Edition July 1, 1913 Dept. of Commerce, very good condx. - BO. Aaron D. Solomon VE2OC, 8 Crichton Park Rd., Dartmouth, Nova Scotia B3A 2N8, Canada

FOR SALE/TRADE/BUY: U.S. Amateur Call Books: 1909-1980. List SASE. Bob Arrowsmith, W4JNN, POB 166, Annandale, VA 22003. (703) 560-7161

FOR SALE: Drake T4X & MS4 - pwr sply & spkr; Drake R4A & R4B rcvrs. All perfect condx., w/manuals, boxes of xmtg & rcvrg tubes. Pick Up w/cash or money order - \$290. George Clark, W2JBL, 123 Davis Ave., Hackensack, NJ 07601. (201) 489-2585

FOR SALE: Salvaged juke box pwr & input xfmr, also filter chokes; plate xfmr 1060VCT. at 2.0 mA - \$40 + UPS. Onerio Sabetto, W8ZXG, 1717 Burgess Rd., Cleveland, OH 44112. (216) 481-1036

FOR SALE: Collectors: QST, 1929 issues Feb, Mar, May, June, July, Aug; 1928, Jan, Apr, May; 1927 June, Oct & Dec; 1930 July. All fair to good condx. - \$3 ea + shpg. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166. (305) 888-3874

FOR SALE: Send \$1 & SASE for Illustrated Bug Parts Catalog; have swinger arms & cone for telegraph resonators; 53 back issues of "Dots and Dashes" - \$25 ppd. Dr. Hess, W6CK, PO Box 19, Pasadena, CA 91102.

FOR SALE: Kenwood TS-440S/AT w/built in antenna tuner, 500 Hz CW filter & 2.4 kHz SSB filters, mint condx. - \$700; new Silver Eagle chrome desk mic wired for above - \$50. Larry Weintraub, W3ANV/6, CA, (714) 458-1499

FOR SALE: PC program "The Mill". Many features for telegraphers, beginners or experienced, CW or Morse - \$10 ppd. State floppy type. Jim Farrior, W4FOK, 1232 Harrison Pt. Tr., Fernandina Beach, FL 32034.

FOR SALE: Henry 2K3 console linear - \$775; Hammarlund HXL linear, modified - \$350; Azden PCS4000 - \$185. All + shpg. Frank, W4AMJ, FL, (941) 474-5697

FOR SALE: 7 ea. James Millen absorption frequency meters code NRS 90606, 90608, 90610, 90611, 90612, 90613 & 90614, covering a frequency range of 1.5-150 MHz, VGC. Lot shpd ppd - \$45 check or money order. David Polen, W8FRB, 4434 Fairhaven Ave., NW, Canton, OH 44709-1343.

FOR SALE: Available soon DX'ers and boaters paradise, waterfront 200 ft. from Lemon Bay, 10 min to stump pass to Gulf, pool, 3 BRD, 3 BA, garage. Frank, W4AMJ, FL, (941) 474-5697.

WANTED: Pair of earphones used during the 1950's on Dictaphone Dictation machines-under the chin, stethoscope type. Will pay reasonable price for good condx. Emil Scholz, W1EJI, 1160 Walnut Blvd., Brentwood, CA 94513-4538

WANTED: Central Electronics 458 VFO; National Select-O-Ject; National NC-300TS spkr; Heath VF-1 VFO; Johnson Signal Sentry. Mike Raskin, K4KUZ, 561 W. Tropical Way, Plantation, FL 33317-3345. (954) 583-4026

WANTED: Heath scanalyzer model SB-620 w/455 kHz IF. Windy Rushton, W4ZAA, 6964 SW 151 St., Miami, FL 33158. (305) 235-7876

WANTED: Ten Tec Omni-B, Omni-C, Delta or Corsair. K0CNS, 3 N. Meadow Dr. O'Fallon, MO 63366-3809. (314) 281-2768.

WANTED: Heath collector looking for older ham related Heath gear, unassembled Heathkits, catalogs or literature. Bill Robbins, WA8CDU, 5339 Chickadee Dr., Kalamazoo, MI 49002. (616) 375-7978

WANTED: Knight T-50 xmtg; Hammarlund HQ-145/Drake TR-4; Kelsey hand operated printing press/type. Don Traves, WB4CVH, POB 2114, Winter Haven, FL 33883-2114. (941) 299-9227

WANTED: ITU List V (list of ship stations) one to five years old. K8UGL, 2707 Vanderberg, Columbus, OH 43204. (614) 272-1810

WANTED: Hallicrafters SX-73 (R274D), HT-9/20, SX-88, HA-1A, HA-2, HA-10, SX-101 Mark III w/160M band, SX-117A/122A/HT-44/45A; SX-115A/HT-32B/33B; Hal units: ARQ-1000A/B, ST-6R/6000R/8000R; Heath HA-20 (6mtr amp) & spkr/pwr sply for SB-104. WJ5J, 5678 College Dr., Baton Rouge, LA 70806-7217

WANTED: 20, 40 & 80 meter coil set for Radio Engineer Laboratories Catalog number 278 radio rcvr; fifty feet of number 36 double silk covered wire. John M. Vasicak, W9ZEN, 124 N Glen Ave., Oglesby, IL 61348-1241.

WANTED: Early Collins Radio goods, literature & promotional items; Signal magazines; McElroy bug; National HRO-60. Brian Roberts, K9VKY, 3068 Evergreen Rd., Pittsburgh, PA 15237. (412) 931-4646

WANTED: Copies of schematic & typewritten instructions supplied originally with the Hallicrafters SX-9. Leland Smith, W5KL, 10 Hawthorn Dr., Harrison, AR 72601.

WANTED: DX-60 chassis & fb pwr xfmr or basket case to rehub from scratch. Tom, AA1HE, POB 684, Cheshire, MA 01225.

WANTED: 6-meter module, Yaesu 767-GX. Richard Sullivan, KB0YZ, 1731 High St. #16, Des Moines, IA 50309-3337. (515) 284-7669.

WANTED: Hallicrafters SX-9, SX-11, SX-73, SX-88; National SW-2, 3, 4, 5, NC-400, HRO-500; Hammarlund PRO-310; RME-9; Collins 51S1, 75S3B or C, KWM-380. Steve, K6PFW, 848 N. Silverwood, Upland, CA 91786. (909) 985-1062

Please send ads to QCWA Journal, P.O. Box 57, Hesperus, CO 81326 to arrive no later than 1 month prior to our publication dates.
Please limit ads to 25 words. Words are counted as follows: WANTED, FOR SALE, FREE, etc. count as 1 word; your address counts as 6 words.

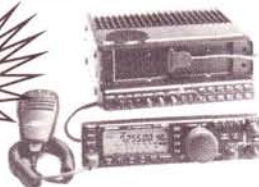
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FT-990DC w/o AC Supply & Filter .. Call!

\$200 COUPON FOR ADDED SAVINGS!



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- Compact Size • LCD Display • Much More

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All-Mode HF Transceiver **FT-1000MP**



The year was 1956. Electronic communication throughout the world was on the threshold of significant and remarkable change. Intrigued by the development of single-sideband radio theory, a young engineer and amateur radio experimenter painstakingly assembled an SSB transmitter. Word of his successful efforts spread quickly among his friends, and soon radio amateurs from all over the country were requesting transmitters just like it. Thus was born the first invention of JA1MP founder of Yaesu. Though his key is now silent, in tribute to his leadership and exceptional contributions to the radio art, the FT-1000MP carries the memory of his call sign.

An HF Masterpiece, Combining the Best of Digital and RF design technology. The FT-1000MP.



Specifications

- EDSP (Enhanced Digital Signal Processing)
- Shuttle-jog Rapid Tuning Enhancement
- Directional Tuning Scale for CW/Digital mode and clarifier offset display
- Dual In-Band Receive w/ Separate S-Meters
- Selectable Antenna Jacks
- Collins SSB Mechanical Filter built-in, 500 Hz CW Collins filter plug-in, optional
- Selectable Cascaded Crystal and Mechanical IF Filtering (2nd and 3rd IF Filters)
- User-programmable Tuning Steps w/0.625 Hz High Resolution Low-Noise DDS Circuit
- Custom Feature Set-up via New Menu System
- Adjustable TX Output Power: 5-100W (5-25W AM)
- True Base Station: Both 100-117 or 200-234± VAC 10%, 50/60 Hz and 13.5 VDC Power Inputs

Blending digital and RF technology, the FT-1000MP features a Yaesu exclusive: Enhanced Digital Signal Processing (EDSP). Beginning on the receive side with Yaesu's industry-standard high-intercept front end design, the RF signal is then fed to the IF stages, where an impressive array of 8.2 MHz and 455 kHz IF filters (including a built-in Collins SSB Mechanical Filter) establish the tight shape factor so important in obtaining high dynamic range and low noise figure. Finally, the EDSP system provides specially-designed filter selections and response contours for maximum intelligence recovery.

Only with this combination of EDSP, independently selectable 8.2 MHz and 455 kHz IF filters, and a low-noise DDS local oscillator system can receiver performance without compromise be obtained. You can customize your FT-1000MP by choosing from 20 kHz, 500 Hz, and 250 Hz optional, cascaded IF filters, then zero in on weak signals using Yaesu's exclusive Shuttle-jog Rapid Tuning Enhancement and high-resolution (0.625 Hz) DDS VFO. Without question, the FT-1000MP is the most technologically advanced HF rig today.

EDSP operates in both transmit and receive modes. On receive, the EDSP produces enhanced signal-to-noise ratio and significantly improved intelligence recovery during difficult situations involving noise and/or interference. The result of hundreds of hours of laboratory and real-world experimentation, EDSP's 4 preset random noise reduction protocols and 4 digital filtering selections are controlled by easy-to-use concentric controls on the front panel of the transceiver. High, low, and mid-range cuts for voice work are teamed with razor-sharp CW bandpass filters and an automatic notch filter which identifies and attenuates undesired carriers or heterodynes. Also operational in the transmit mode, EDSP provides 4 performance-enhancement pattern selections for different operating circumstances, ensuring best readability of your signal on the other end of the path.

Once again, Yaesu's engineers have reaffirmed the vision and dedication of JA1MP which began nearly 40 years ago. See the incomparable FT-1000MP today.

FT-1000/D
Legendary 200W
All Mode HF Transceiver
"The Dream Station"



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